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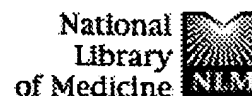




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<input type="checkbox"/>	L15	p85a OR acylphosphatase OR insulin OR CaspB-1 OR CaspB-2 OR CspB-3 OR CspB OR carboxypeptidase	65570
<input type="checkbox"/>	L14	=1998	237
<input type="checkbox"/>	L13	L12 AND amyloid	977
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**Human IRS-1 polymorphism, G972R, causes IRS-1 to associate with the insulin receptor and inhibit receptor autophosphorylation.**

J Biol Chem. 2004 Dec 7; [Epub ahead of print]  
PMID: 15590636 [PubMed - as supplied by publisher]

☐ 2: Burns-Hamuro LL, Dalessio PM, Ropson IJ.

[Related Articles, Links](#)



**Replacement of proline with valine does not remove an apparent proline isomerization-dependent folding event in CRABP I.**

Protein Sci. 2004 Jun;13(6):1670-6.  
PMID: 15152096 [PubMed - indexed for MEDLINE]

☐ 3: Koh SH, Kim SH, Kwon H, Park Y, Kim KS, Song CW, Kim J, Kim MH, Yu HJ, Henkel JS, Jung HK.

[Related Articles, Links](#)



**Epigallocatechin gallate protects nerve growth factor differentiated PC12 cells from oxidative-radical-stress-induced apoptosis through its effect on phosphoinositide 3-kinase/Akt and glycogen synthase kinase-3.**

Brain Res Mol Brain Res. 2003 Oct 21;118(1-2):72-81.  
PMID: 14559356 [PubMed - indexed for MEDLINE]

☐ 4: Rieusset J, Roques M, Bouzakri K, Chevillotte E, Vidal H.

[Related Articles, Links](#)



**Regulation of p85alpha phosphatidylinositol-3-kinase expression by peroxisome proliferator-activated receptors (PPARs) in human muscle cells.**

FEBS Lett. 2001 Aug 3;502(3):98-102.  
PMID: 11583119 [PubMed - indexed for MEDLINE]

☐ 5: Velaz-Faircloth M, Cobb AJ, Horstman AL, Henry SC, Frothingham R.

[Related Articles, Links](#)



**Protection against Mycobacterium avium by DNA vaccines expressing mycobacterial antigens as fusion proteins with green fluorescent protein.**

Infect Immun. 1999 Aug;67(8):4243-50.  
PMID: 10417198 [PubMed - indexed for MEDLINE]

☐ 6: Finan PM, Hall A, Kellie S.

[Related Articles, Links](#)



**Sam68 from an immortalised B-cell line associates with a subset of SH3 domains.**

FEBS Lett. 1996 Jul 1;389(2):141-4.  
PMID: 8766817 [PubMed - indexed for MEDLINE]

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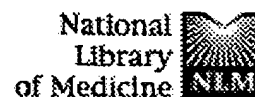
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Items 1 - 7 of 7

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**Inhibiting transthyretin amyloid fibril formation via protein stabilization.**  
Proc Natl Acad Sci U S A. 1996 Dec 24;93(26):15051-6.  
PMID: 8986762 [PubMed - indexed for MEDLINE]

☐ 2: [Kelly JF, Furukawa K, Barger SW, Rengen MR, Mark RJ, Blanc EM, Roth GS, Mattson MP.](#) Related Articles, Links

**Amyloid beta-peptide disrupts carbachol-induced muscarinic cholinergic signal transduction in cortical neurons.**  
Proc Natl Acad Sci U S A. 1996 Jun 25;93(13):6753-8.  
PMID: 8692890 [PubMed - indexed for MEDLINE]

☐ 3: [Lai Z, Colon W, Kelly JW.](#) Related Articles, Links

**The acid-mediated denaturation pathway of transthyretin yields a conformational intermediate that can self-assemble into amyloid.**  
Biochemistry. 1996 May 21;35(20):6470-82.  
PMID: 8639594 [PubMed - indexed for MEDLINE]

☐ 4: [Mason RP, Estermyer JD, Kelly JF, Mason PE.](#) Related Articles, Links

**Alzheimer's disease amyloid beta peptide 25-35 is localized in the membrane hydrocarbon core: x-ray diffraction analysis.**  
Biochem Biophys Res Commun. 1996 May 6;222(1):78-82.  
PMID: 8630078 [PubMed - indexed for MEDLINE]

☐ 5: [Hope J, Shearman MS, Baxter HC, Chong A, Kelly SM, Price NC.](#) Related Articles, Links

**Cytotoxicity of prion protein peptide (PrP106-126) differs in mechanism from the cytotoxic activity of the Alzheimer's disease amyloid peptide, A beta 25-35.**  
Neurodegeneration. 1996 Mar;5(1):1-11.  
PMID: 8731376 [PubMed - indexed for MEDLINE]

☐ 6: [Kelly JW.](#) Related Articles, Links

**Alternative conformations of amyloidogenic proteins govern their behavior.**  
Curr Opin Struct Biol. 1996 Feb;6(1):11-7. Review.  
PMID: 8696966 [PubMed - indexed for MEDLINE]

☐ 7: [Colon W, Lai Z, McCutchen SL, Mirov GJ, Strang C, Kelly JW.](#) Related Articles, Links

**FAP mutations destabilize transthyretin facilitating conformational changes required for amyloid formation.**  
Ciba Found Symp. 1996;199:228-38; discussion 239-42.  
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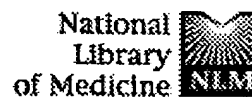
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## Alternative conformations of amyloidogenic proteins govern their behavior.

Kelly JW.

Department of Chemistry, Texas A&M University, College Station 77843-3255, USA. [kelly@chemvx.tamu.edu](mailto:kelly@chemvx.tamu.edu)

Recent publications strongly support the hypothesis that conformational changes in amyloidogenic proteins lead to amyloid fibril formation and cause disease. Biophysical studies on several amyloidogenic proteins provide insights into the conformational changes required for fibrillogenesis. In addition, newly available moderate to high resolution structural studies are bringing us closer to understanding the structure of amyloid.

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PMID: 8696966 [PubMed - indexed for MEDLINE]

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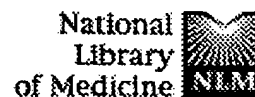
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**Synthesis and Conformational Preferences of a Potential beta-Sheet Nucleator Based on the 9,9-Dimethylxanthene Skeleton.**

J Org Chem. 1996 Oct 18;61(21):7408-7414.

PMID: 11667668 [PubMed - as supplied by publisher]

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**Synthesis and Hydrogen Bonding Capabilities of Biphenyl-Based Amino Acids Designed To Nucleate beta-Sheet Structure.**

J Org Chem. 1996 May 3;61(9):3127-3137.

PMID: 11667175 [PubMed - as supplied by publisher]

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Proc Natl Acad Sci U S A. 1996 Dec 24;93(26):15051-6.

PMID: 8986762 [PubMed - indexed for MEDLINE]

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**Progress towards understanding beta-sheet structure.**

Bioorg Med Chem. 1996 Jun;4(6):739-66. Review.

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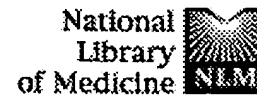
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**Transthyretin quaternary and tertiary structural changes facilitate misassembly into amyloid.**

Adv Protein Chem. 1997;50:161-81. Review.

PMID: 9338081 [PubMed - indexed for MEDLINE]

☐ 2: [Lai Z, McCulloch J, Lashuel HA, Kelly JW.](#) Related Articles, Links

**Guanidine hydrochloride-induced denaturation and refolding of transthyretin exhibits a marked hysteresis: equilibria with high kinetic barriers.**

Biochemistry. 1997 Aug 19;36(33):10230-9.

PMID: 9254621 [PubMed - indexed for MEDLINE]

☐ 3: [Chen HL, Einbond A, Kwak SJ, Linn H, Koepf E, Peterson S, Kelly JW, Sudol M.](#) Related Articles, Links

**Characterization of the WW domain of human yes-associated protein and its polyproline-containing ligands.**

J Biol Chem. 1997 Jul 4;272(27):17070-7.

PMID: 9202023 [PubMed - indexed for MEDLINE]

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**Amyloid fibril formation and protein misassembly: a structural quest for insights into amyloid and prion diseases.**

Structure. 1997 May 15;5(5):595-600. Review.

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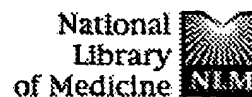
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## Amyloid fibril formation and protein misassembly: a structural quest for insights into amyloid and prion diseases.

**Kelly JW.**

Department of Chemistry, Texas A&M University, College Station, Texas, 77843-3255, USA. [kelly@chemvx.tamu.edu](mailto:kelly@chemvx.tamu.edu)

The assembly and misassembly of normally soluble proteins into fibrillar structures is thought to be a causative agent in a variety of human amyloid and prion diseases. Structural and mechanistic studies of this process are beginning to elucidate the conformational changes required for the conversion of a normally soluble and functional protein into a defined quaternary structure.

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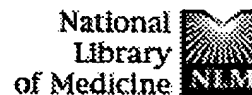
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Items 1 - 2 of 2

One page

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**Primary localized orbital amyloidosis composed of the immunoglobulin gamma heavy chain CH3 domain.**

Clin Sci (Lond). 1994 Nov;87(5):487-91.

PMID: 7874834 [PubMed - indexed for MEDLINE]

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**Amyloidosis.**

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PMID: 7868080 [PubMed - indexed for MEDLINE]

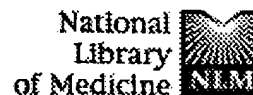
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## Amyloidosis.

**Tan SY, Pepys MB.**

Department of Medicine, Royal Postgraduate Medical School, Hammersmith Hospital, London, UK.

Amyloidosis is a heterogeneous group of disorders characterized by extracellular deposition of abnormal protein fibrils which are derived from different proteins in different forms of the disease. Asymptomatic amyloid deposition in a variety of tissues is a universal accompaniment of ageing, and clinical amyloidosis is not rare. Intracerebral and cerebrovascular beta-protein amyloid deposits are a hallmark of the pathology of both sporadic and familial Alzheimer's disease, beta 2-microglobulin-derived amyloid is a common complication of long term haemodialysis, and islet amyloid polypeptide is the fibril protein in the universal islet amyloidosis of type II diabetes mellitus. New fibril proteins have lately been identified in hereditary amyloidosis, including variants of gelsolin, apolipoprotein AI, lysozyme and fibrinogen. The development of radiolabelled serum amyloid P component (SAP) scintigraphy has allowed amyloid to be diagnosed non-invasively in vivo for the first time, provided unique insight into the distribution and size of amyloid deposits, and yielded novel information on the natural history and the effects of treatment. Amyloid deposits are in a state of dynamic turnover and can regress if new fibril formation is halted. The recent elucidation of the three dimensional structure of human SAP may enable the design of specific therapeutic agents.

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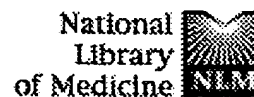
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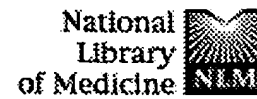
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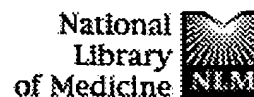
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## Powerful solvent systems useful for synthesis of sparingly-soluble peptides in solution.

Kuroda H, Chen YN, Kimura T, Sakakibara S.

Peptide Institute Inc., Protein Research Foundation, Osaka, Japan.

Our maximum protection strategy for the synthesis of human parathyroid hormone(1-84) indicates that fully protected peptide segments in the form of Boc-peptide phenacyl (Pac) ester are relatively soluble in ordinary organic solvents such as DMF, NMP or DMSO, which are suitable for coupling segments. However, about 1% of such segments synthesized were found to be insoluble even in the most polar solvent, DMSO. Thus, a more powerful solvent which can be used for their peptide synthesis was pursued. Among the solvent systems tested, a mixture of trifluoroethanol (TFE) or hexafluoroisopropanol (HFIP) and trichloromethane (TCM) or dichloromethane (DCM) was found to be most powerful for dissolving such sparingly-soluble protected peptides. These solvent systems were confirmed to be useful for the removal reaction of the carboxy-terminal Pac esters from the sparingly-soluble segments. They were then tested for the coupling reactions of fully protected Boc-peptides with other sparingly-soluble peptide esters. The TFE/TCM or TFE/DCM system was extremely useful for coupling segments without danger of racemization and of trifluoroester formation, if WSCI was used as the coupling reagent in the presence of 3,4-dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine (HOObt).

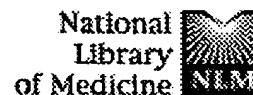
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
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






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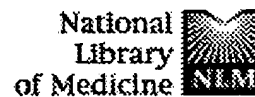


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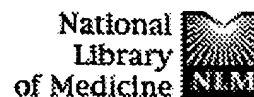
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

















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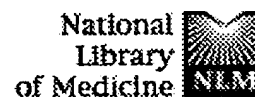
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






















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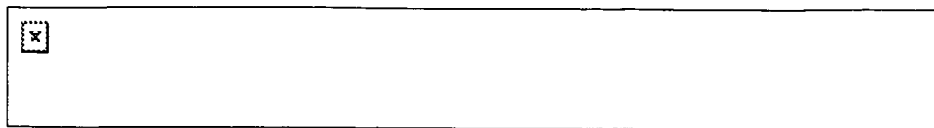
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## Helium Balloon

*Can we use the Ideal Gas Law,  $PV=nRT$ , to calculate the lifting potential of a helium balloon?*

- If two balloons are filled to equal volumes, the number of moles of gas molecules in one balloon will equal the moles of gas molecules in the other, even if the balloons are filled with different types of gas.
- If the weight per unit volume of a gas is less than the weight per unit volume of air, than the balloon will rise, provided that the difference in weights exceeds the weight of the balloon.
- Assume air to be 80% nitrogen and 20% oxygen.

With any problem, we have to ask ourselves what variables are readily available.

- temperature can be read from a thermometer
- pressure can be read from a barometer

What variables do we have to experimentally determine? What variables can be calculated?

Weigh the balloon, the ropes, and the basket.

Assume that today the weather gives us STP conditions: standard temperature (25 deg C) and standard pressure (1 atm.) To keep things simple, assume that these variables don't change.

Later, we may wish to calculate the effect (if any) of temperature on lift power.

Convert temperature from Celcius to Kelvin since we need an absolute temperature scale for calculations involving gas laws.

$$25\text{ C} + 273.15 = 298.15\text{ K}$$

Since temperature has the units of Kelvin and pressure has the units of atmospheres, we will want to use the real gas constant

$$R = 0.08206\text{ L atm K}^{-1}\text{ mol}^{-1}$$

Note: you may find real gas constants with different numbers, other than 0.08206. If so, notice that the units are different. Using dimensional analysis it is possible to change units, and thus convert from one real gas constant to another.

After we have determined V, it is possible to solve the Ideal Gas Law for moles, n.

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$$n = \frac{PV}{RT}$$

We assume pressure and temperature are constant ([More information about assumptions](#)). We have determined volume using a method not specified. We know that R is a constant. Since all variables are set, there is only one possible answer for moles, n.

If we fill the balloon with any gas to the above specifications (T = 25 C and P = 1 atm) , once full, there will be the same number of moles of the gas in the balloon, regardless of what type of gas the balloon is filled with.

If the weight of the balloon filled with a gas is less than the weight of the balloon filled with 20% oxygen and 80% nitrogen, then the difference in mass will correspond to a bouyant force.

If the difference in weight between the balloon filled with air, and the balloon filled with a lighter gas is greater than the sum of the weight of the balloon, the ropes, the basket, and your weight, then the balloon will carry you.

Example:

- o A large balloon is filled with 1000 lbs of air.
- o When filled with helium, the helium in the balloon weighs 200 lbs.
- o The balloon is capable of lifting 800 lbs.
- o The balloon weights 300 lbs.
- o The ropes weigh 50 lbs.
- o The basket weighs 200 lbs.
- o 300 lbs + 50 lbs + 200 lbs = 550 lbs.
- o 800 lbs - 550 lbs = 250 lbs.
- o The balloon is capable of lifting 250 lbs.

Assume that the balloon, the rope, and the basket have a mass of 30 kilograms, and your mass is 70 kilograms. Use helium for the gas. Hydrogen is lighter, but recall [the Hindenburg disaster](#). Assume that the volume of the balloon is 1000 L.

Mass of displaced air:

Mass of 800 L of nitrogen:

$$n = \frac{PV}{RT} = \frac{1.0000 \text{ atm} * 800.00 \text{ L}}{0.08206 \text{ (L atm) / (mol K)} * 298.15 \text{ K}} = 32.698 \text{ moles}$$

$$32.698 \text{ moles N}_2 * \frac{14.0067 \text{ g N}_2}{\text{mole N}_2} = 457.99 \text{ g N}_2$$

Mass of 200 L of oxygen:

$$n = \frac{PV}{RT} = \frac{1 \text{ atm} * 200 \text{ L}}{0.08206 \text{ (L atm) / (mol K)} * 298.15 \text{ K}} = 8.1745 \text{ mol}$$

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$$8.1745 \text{ moles O}_2 * \frac{15.9994 \text{ g O}_2}{\text{mole O}_2} = 130.79 \text{ g O}_2$$

Mass of helium:

1000 L of helium:

$$n = \frac{PV}{RT} = \frac{1 \text{ atm} * 1000 \text{ L}}{0.08206 \text{ (L atm)/(mol K)} * 298.15 \text{ K}} = 40.87 \text{ mol}$$

$$32.70 \text{ moles He} * \frac{4.003 \text{ g He}}{\text{mole He}} = 163.6 \text{ g He}$$

$$\text{Mass of air: } 457.99 \text{ g} + 130.79 \text{ g} = 588.78 \text{ g}$$

$$\text{Mass of air} - \text{Mass of helium} = 588.78 \text{ g} - 163.6 \text{ g} = 425.2 \text{ g}$$

425.2 g isn't much, roughly equivalent to a pound (1 lb = 453.59 g)

As a homework problem, confirm that 1000 L corresponds to a cubic meter.

Thought question: "What might go wrong if the balloon is too big (where 'too big' signifies "big enough to create the problem hypothesized).

#### More information about the assumptions

We assume that there is no leak of helium out of the balloon, or nitrogen or oxygen into the balloon. If helium could leak out, then over time the m

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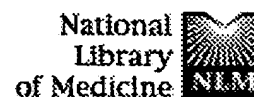


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## In vitro synthesis of "amyloid" fibrils from insulin, calcitonin and parathormone.

Kedar I, Ravid M, Sohar E.

Insulin, calcitonin and parathyroid hormone subjected to one of two procedures-acidification and heating or incubation with mouse kidney lysosomal extracts-assumed a nonbranching fibrillar structure, 7 to 10 nm in diameter. The preparations showed green birefringence after Congo red staining. The in vitro synthesis from different hormonal polypeptides of fibrils, fulfilling the criteria for the identification of amyloid, indicates that these criteria are related to conformational rather than to compositional properties, and suggests that these hormones may provide the subunit of the amyloid formed in the corresponding endocrine organs.

PMID: 62581 [PubMed - indexed for MEDLINE]

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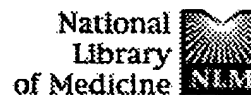
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## Amyloid in polypeptide hormone-producing tumors.

Westermarck P, Grimelius L, Polak JM, Larsson LI, Van Noorden S, Wilander E, Pearse AG.

The hormone content of 72 endocrine tumors was determined by immunofluorescence and their amyloid content was investigated. Seventeen of the 72 tumors contained amyloid. Amyloid was frequently found in tumors producing calcitonin, insulin, or growth hormone, but was rarely found in other tumors. Thus, there is a relationship between the occurrence of amyloid in an endocrine tumor and the type of hormone it produces. The reason for this is not known, but there is evidence that the amyloid fibrils contain proteins related to the hormone produced by the tumors.

PMID: 881783 [PubMed - indexed for MEDLINE]

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## Iatrogenic, insulin-dependent, local amyloidosis.

Storkel S, Schneider HM, Muntefering H, Kashiwagi S.

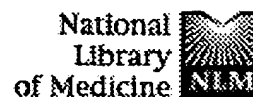
Human and experimental amyloidosis can occur either as a generalized widespread deposit of various proteins or a localized deposit. We looked for local amyloidosis caused iatrogenically under clinical and experimental conditions. Subcutaneous tissue from one diabetic patient and six Wistar rats, which had received a continuous local infusion of 1.2 iu of insulin daily for 6 weeks, was examined histologically. In all cases the development of granulation tissue around the tip of the catheter was observed. In addition, inhomogenous extracellular deposits showing green birefringence under polarized light when stained Congo red were seen. Immunohistologically, they displayed binding of anti-insulin antibody. Electron microscopy demonstrated a typical spear-like fibrillar structure with a fibril diameter of 60 to 80 A. These findings confirmed that the deposited substance was amyloid. Iatrogenically administered protein produced in vivo amyloidosis at the site of its entry. Insulin can lead to the formation of amyloid fibrils not only in vitro but also in vivo.

PMID: 6337294 [PubMed - indexed for MEDLINE]

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## [Amyloidosis of the pancreatic islets and diabetes mellitus]

[Article in Russian]

Ageev AK.

Pancreas was examined in 136 patients who died at the age of 7 to 89 years of various diseases including 22 with diabetes mellitus. Amyloidosis of its islands was observed in 9 patients (aged 49 and over); 6 out of them suffered from diabetes mellitus. Number of islands with amyloidosis and amyloid quantity were determined morphometrically. Glucagon-producing A-cells and insulin-producing B-cells in the islands not involved in amyloidosis were counted in sections impregnated by Grimelius. It is found that the development of diabetes is determined not only by the islands amyloidosis but by the quantitative domination of A-cells over B-cells in the islands without amyloidosis as well being the manifestation of aging processes.

PMID: 3527115 [PubMed - indexed for MEDLINE]

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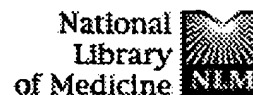
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## Quantitative evaluation of congo red binding to amyloid-like proteins with a beta-pleated sheet conformation.

Klunk WE, Pettegrew JW, Abraham DJ.

Department of Psychiatry, University of Pittsburgh School of Medicine, Pennsylvania.

The binding of Congo red to several purified amyloid-like peptides having a beta-pleated sheet conformation was quantitatively examined. Congo red binds preferentially to the beta-pleated sheet conformation of both insulin fibrils and poly-L-lysine. Congo red does not bind nearly so well to poly-L-serine or polyglycine, despite the fact that these peptides also have a beta-pleated sheet conformation. Binding to insulin fibrils was saturable with an apparent Bmax of 2 moles of Congo red per mole of insulin fibrils and an apparent KD of  $1.75 \times 10^{-7}$  M. Binding to beta-poly-L-lysine was similar but had a much higher apparent Bmax of 43. Binding of Congo red to beta-poly-L-lysine was pH dependent and appeared to be determined by the number of protonated lysine residues in the 250 amino acid peptide. We present a new hypothesis in which Congo red binds to amyloid-like proteins via bonds between the two negatively charged sulfonic acid groups of Congo red and two positively charged amino acid residues of two separate protein molecules which are properly oriented by virtue of the beta-pleated sheet conformation of the peptide backbone.

PMID: 2666510 [PubMed - indexed for MEDLINE]

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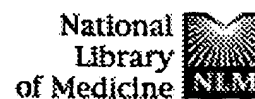
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## Binding of the dye congo red to the amyloid protein pig insulin reveals a novel homology amongst amyloid-forming peptide sequences.

Turnell WG, Finch JT.

MRC Laboratory of Molecular Biology, Cambridge, U.K.

The three-dimensional structure has been determined of a complex of the dye Congo Red, a specific stain for amyloid deposits, bound to the amyloid protein insulin. One dye molecule intercalates between two globular insulin molecules at an interface formed by a pair of anti-parallel beta-strands. This result, together with analysis of the primary sequences of other amyloidogenic proteins and peptides suggests that this mode of dye-binding to amyloid could be general. Moreover, the structure of this dye-binding interface between protein molecules provides an insight into the polymerization of amyloidogenic proteins into amyloid fibres. Thus the detailed characterization, at a resolution of 2.5 Å, of the dye binding site in insulin could form a basis for the design of agents targeted against a variety of amyloid deposits.

PMID: 1433294 [PubMed - indexed for MEDLINE]

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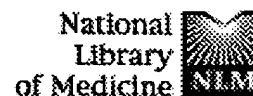
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## Polypeptide hormones in amyloid.

Westermarck P.

Department of Pathology, University of Linköping, Sweden.

PMID: 1474360 [PubMed - indexed for MEDLINE]

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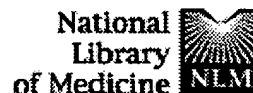
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Genome-wide transcriptional analysis of the cold shock response in wild-type and cold-sensitive, quadruple-csp-deletion strains of *Escherichia coli*.

J Bacteriol. 2004 Oct;186(20):7007-14.

PMID: 15466053 [PubMed - indexed for MEDLINE]

☐ 2: [Lang EA, Marques MV.](#)

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Identification and transcriptional control of *Caulobacter crescentus* genes encoding proteins containing a cold shock domain.

J Bacteriol. 2004 Sep;186(17):5603-13.

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The folding transition state of the cold shock protein is strongly polarized.

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Thermophilicity of wild type and mutant cold shock proteins by molecular dynamics simulation.

J Biomol Struct Dyn. 2004 Jun;21(6):771-80.

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Mechanism of thermostabilization in a designed cold shock protein with optimized surface electrostatic interactions.

J Mol Biol. 2004 Feb 27;336(4):929-42.

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Single-stranded DNA bound to bacterial cold-shock proteins: preliminary crystallographic and Raman analysis.

Acta Crystallogr D Biol Crystallogr. 2004 Apr;60(Pt 4):755-7. Epub 2004 Mar 23.

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High-temperature solution NMR structure of TmCsp.

Protein Sci. 2004 Feb;13(2):342-50.

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The csp operon of *Streptococcus salivarius* encodes two predicted cell-surface proteins, one of which, CspB, is associated with the fimbriae.

Microbiology. 2004 Jan;150(Pt 1):189-98.



















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

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J Biomol NMR. 2003 Nov;27(3):221-34.  
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Infect Immun. 2003 Aug;71(8):4304-12.  
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 Mechanisms of thermal adaptation revealed from the genomes of the Antarctic Archaea *Methanogenium frigidum* and *Methanococcoides burtonii*.  
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 Electrostatic contributions to the stability of a thermophilic cold shock protein.  
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J Bacteriol. 2002 Oct;184(19):5275-81.  
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 **Water contributes actively to the rapid crossing of a protein unfolding barrier.**  
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






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## Overproduction, crystallization, and preliminary X-ray diffraction studies of the major cold shock protein from *Bacillus subtilis*, CspB.

Schindelin H, Herrler M, Willmsky G, Marahiel MA, Heinemann U.

Institut für Kristallographie, Freie Universität Berlin, Federal Republic of Germany.

The major cold shock protein from *Bacillus subtilis* (CspB) was overexpressed using the bacteriophage T7 RNA polymerase/promoter system and purified to apparent homogeneity from recombinant *Escherichia coli* cells. CspB was crystallized in two different forms using vapor diffusion methods. The first crystal form obtained with ammonium sulfate as precipitant belongs to the trigonal crystal system, space group P3(1)21 (P3(2)21) with unit cell dimensions  $a = b = 59.1$  Å and  $c = 46.4$  Å. The second crystal form is tetragonal, space group P4(1)2(1)2 (P4(3)2(1)2) with unit cell dimensions  $a = b = 56.9$  Å and  $c = 53.0$  Å. These crystals grow with polyethylene glycol 4000 as precipitant.

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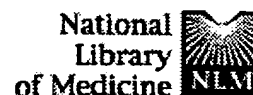
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Makhatadze GI, Marahiel MA.

Department of Biology, Johns Hopkins University, Baltimore, Maryland 21218.

The intermolecular interactions of the major cold-shock protein from *Bacillus subtilis* (CspB) in solution in the presence of different salts, including phosphate, have been studied by means of scanning calorimetry and size-exclusion chromatography. Calorimetric results indicate that, in all cases, protein unfolding can be approximated by a 2-state model, but the modes of unfolding can differ depending on the conditions. In the presence of phosphate, the cooperative folding unit is a monomer, whereas in the absence of phosphate, the cooperative unit is a dimer. The difference in the self-association of CspB in the presence and absence of phosphate was supported by size-exclusion chromatography. These results are compared with recent structural studies of CspB in crystal and in solution.

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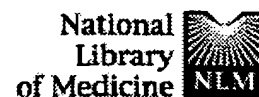
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










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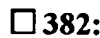
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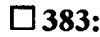


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TITLE: Symposia: Treatment of NIDDM: current practice and new  
drug development.  
SOURCE: INPHARMA \*\*\*10 Jul 1995\*\*\* ISSN: 1173-8324  
DOCUMENT TYPE: (MIX)  
WORD COUNT: 1671

L11 ANSWER 2 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1998:222526 BIOSIS  
DN PREV199800222526  
TI \*\*\*Amyloid\*\*\* fibril formation by an SH3 domain.  
AU Guijarro, J. Inaki; Sunde, Margaret; Jones, Jonathan A.; Campbell, Iain  
D.; Dobson, Christopher M. [Reprint author]  
CS New Chem. Lab., Univ. Oxford, South Parks Road, Oxford OX1 3QT, UK  
SO Proceedings of the National Academy of Sciences of the United States of  
America, (April 14, 1998) Vol. 95, No. 8, pp. 4224-4228. print.  
CODEN: PNASA6. ISSN: 0027-8424.  
DT Article  
LA English  
ED Entered STN: 20 May 1998  
Last Updated on STN: 20 May 1998

L11 ANSWER 3 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1998:215356 BIOSIS  
DN PREV199800215356  
TI Carboxy-terminal truncation of long-tailed \*\*\*amyloid\*\*\* beta-peptide  
is inhibited by serine protease inhibitor and peptide aldehyde.  
AU Hamazaki, Hideaki [Reprint author]  
CS Dep. Biol., Kitasato Univ. Sch. Med., Sagamihara, Kanagawa 228, Japan  
SO FEBS Letters, (March 13, 1998) Vol. 424, No. 3, pp. 136-138. print.  
CODEN: FEBLAL. ISSN: 0014-5793.  
DT Article  
LA English  
ED Entered STN: 11 May 1998  
Last Updated on STN: 11 May 1998

L11 ANSWER 4 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1998:138684 BIOSIS  
DN PREV199800138684  
TI \*\*\*Amyloid\*\*\* precursor protein requires the insulin signaling pathway  
for neurotrophic activity.  
AU Wallace, William C. [Reprint author]; Akar, Candan A.; Lyons, W. E.; Kole,  
Hemanta K.; Egan, Josephine M.; Woloizin, Ben  
CS Lab. Cellular Mol. Biol., National Inst. Aging Gerontol., Res. Cent.,  
Johns Hopkins Bayview Campus, 4940 Eastern Ave., Baltimore, MD 21224, USA  
SO Molecular Brain Research, (Dec. 15, 1997) Vol. 52, No. 2, pp. 213-227.  
print.  
CODEN: MBREE4. ISSN: 0169-328X.  
DT Article  
LA English  
ED Entered STN: 20 Mar 1998  
Last Updated on STN: 20 Mar 1998

L11 ANSWER 5 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on

AN 1997:518177 BIOSIS  
 DN PREV199799817380  
 TI Physiological levels of beta- \*\*\*amyloid\*\*\* peptide stimulate protein kinase C in PC12 cells.  
 AU Luo, Y. [Reprint author]; Hawver, D. B.; Iwasaki, K.; Sunderland, T.; Roth, G. S.; Wolozin, B.  
 CS Molecular Physiol. Genetics Sect., Gerontol. Res. Center, NIA, 4E02, 4940 Eastern Ave., Baltimore, MD 21224, USA  
 SO Brain Research, (1997) Vol. 769, No. 2, pp. 287-295.  
 CODEN: BRREAP. ISSN: 0006-8993.  
 DT Article  
 LA English  
 ED Entered STN: 10 Dec 1997  
 Last Updated on STN: 10 Dec 1997

L11 ANSWER 6 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
 AN 1997:150918 BIOSIS  
 DN PREV199799450121  
 TI A possible role for cathepsins D, E, and B in the processing of beta- \*\*\*amyloid\*\*\* precursor protein in Alzheimer's disease.  
 AU Mackay, Elaine A. [Reprint author]; Ehrhard, Anne; Moniatte, Marc; Guenet, Chantal; Tardif, Chantal; Tarnus, Celine [Reprint author]; Sorokine, Odile; Heintzelmann, Blanche; Nay, Carole; Remy, Jean-Marc; Higaki, Jeffrey; Van Dorsselaer, Alain; Wagner, Joseph; Danzin, Charles; Mamont, Pierre  
 CS 1 Caswall Close, Foxley Fields, Binfield, Berkshire RG42 4EF, UK  
 SO European Journal of Biochemistry, (1997) Vol. 244, No. 2, pp. 414-425.  
 CODEN: EJBCAI. ISSN: 0014-2956.  
 DT Article  
 LA English  
 ED Entered STN: 15 Apr 1997  
 Last Updated on STN: 2 May 1997

L11 ANSWER 7 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
 AN 1997:139181 BIOSIS  
 DN PREV199799438384  
 TI Activity of monoclonal antibodies in prevention of in vitro aggregation of their antigens.  
 AU Solomon, Beka; Katsav-Gojanski, Tamar; Hanan, Eilat  
 CS Dep. Mol. Microbiol. Biotechnol., Tel Aviv Univ., Tel-Aviv 69978, Israel  
 SO Immunotechnology (Amsterdam), (1996) Vol. 2, No. 4, pp. 305.  
 Meeting Info.: 1996 Keystone Meeting on Exploring and Exploiting Antibody and Ig Superfamily Combining Sites. Taos, New Mexico, USA. February 22-28, 1996.  
 ISSN: 1380-2933.  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 LA English  
 ED Entered STN: 2 Apr 1997  
 Last Updated on STN: 2 May 1997

L11 ANSWER 8 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
 AN 1997:113825 BIOSIS  
 DN PREV199799413028  
 TI Degradation of Alzheimer's beta- \*\*\*amyloid\*\*\* protein by human and rat brain peptidases: Involvement of insulin-degrading enzyme.  
 AU McDermott, J. R.; Gibson, A. M.  
 CS MRC Neurochemical Pathol. Unit, Newcastle Gen. Hosp., Westgate Road, Newcastle upon Tyne NE4 6BE, UK  
 SO Neurochemical Research, (1997) Vol. 22, No. 1, pp. 49-56.  
 CODEN: NEREDZ. ISSN: 0364-3190.  
 DT Article  
 LA English  
 ED Entered STN: 10 Mar 1997  
 Last Updated on STN: 10 Mar 1997

L11 ANSWER 9 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
 AN 1996:541358 BIOSIS  
 DN PREV199699263714  
 TI Physiological levels of beta- \*\*\*amyloid\*\*\* peptide promote PC12 cell proliferation.

CS Molecular Physiol. Genetics Sect., Gerontol. Res. Cent., NIA, 4E02, 4940  
 Eastern Ave., Baltimore, MD 21224, USA  
 SO Neuroscience Letters, (1996) Vol. 217, No. 2-3, pp. 125-128.  
 CODEN: NELED5. ISSN: 0304-3940.  
 DT Article  
 LA English  
 ED Entered STN: 10 Dec 1996  
 Last Updated on STN: 10 Dec 1996

L11 ANSWER 10 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 AN 1996:495843 BIOSIS  
 DN PREV199699218199  
 TI \*\*\*Amyloid\*\*\* precursor protein potentiates the neurotrophic activity  
 of NGF through the insulin signaling pathway.  
 AU Akar, C. A.; Kole, H. K.; Egan, J. M.; Woloizin, B.  
 CS GRC/NIA, Baltimore, MD, USA  
 SO Society for Neuroscience Abstracts, (1996) Vol. 22, No. 1-3, pp. 513.  
 Meeting Info.: 26th Annual Meeting of the Society for Neuroscience.  
 Washington, D.C., USA. November 16-21, 1996.  
 ISSN: 0190-5295.  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 Conference; (Meeting Slide)  
 LA English  
 ED Entered STN: 4 Nov 1996  
 Last Updated on STN: 5 Nov 1996

L11 ANSWER 11 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 AN 1996:466133 BIOSIS  
 DN PREV199699188489  
 TI Physiologic levels of beta- \*\*\*amyloid\*\*\* activate  
 \*\*\*phosphatidylinositol\*\*\* \*\*\*3\*\*\* - \*\*\*kinase\*\*\* with the  
 involvement of tyrosine phosphorylation.  
 AU Luo, Y.; Sunderland, T.; Woloizin, B. [Reprint author]  
 CS Sect. Geriatr. Psychiatry, NIMH, 10/3D41, 10 Center Dr., MSC 1264,  
 Bethesda, MD 20892-1264, USA  
 SO Journal of Neurochemistry, (1996) Vol. 67, No. 3, pp. 978-987.  
 CODEN: JONRA9. ISSN: 0022-3042.  
 DT Article  
 LA English  
 ED Entered STN: 11 Oct 1996  
 Last Updated on STN: 11 Oct 1996

L11 ANSWER 12 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 AN 1996:233834 BIOSIS  
 DN PREV199698797963  
 TI A-beta-peptide length and apolipoprotein E genotype in Alzheimer's  
 disease.  
 AU Gearing, Marla; Mori, Hiroshi; Mirra, Suzanne S. [Reprint author]  
 CS VA Med. Cent., 1670 Clairmont Road, Decatur, GA 30033, USA  
 SO Annals of Neurology, (1996) Vol. 39, No. 3, pp. 395-399.  
 CODEN: ANNE3. ISSN: 0364-5134.  
 DT Article  
 LA English  
 ED Entered STN: 28 May 1996  
 Last Updated on STN: 28 May 1996

L11 ANSWER 13 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
 STN  
 AN 1996:114463 BIOSIS  
 DN PREV199698686598  
 TI Exposure of rat hippocampal neurons to \*\*\*amyloid\*\*\* beta peptide  
 (25-35) induces the inactivation of \*\*\*phosphatidylinositol\*\*\* -  
 \*\*\*3\*\*\* \*\*\*kinase\*\*\* and the activation of tau protein kinase  
 I/glycogen synthase kinase-3-beta.  
 AU Takashima, Akihiko [Reprint author]; Noguchi, Kaori; Michel, Gilles;  
 Mercken, Marc; Hoshi, Minako; Ishiguro, Koichi; Imahori, Kazutomo  
 CS Mitubishi Kasei Inst. Life Sci., 11 Minamiooya, Machida-shi, Tokyo 194,  
 Japan  
 SO Neuroscience Letters, (1996) Vol. 203, No. 1, pp. 33-36.  
 CODEN: NELED5. ISSN: 0304-3940.  
 DT Article

ED Entered STN: 12 Mar 1996  
Last Updated on STN: 10 Jun 1997

L11 ANSWER 14 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1995:330663 BIOSIS  
DN PREV199598344963  
TI Stimulation of \*\*\*phosphatidylinositol\*\*\* \*\*\*3\*\*\* - \*\*\*kinase\*\*\*  
activity by Alzheimer's \*\*\*amyloid\*\*\* beta-protein.  
AU Chauhan, Abha; Chauhan, Ved P. S.; Singh, S. S.; Brockerhoff, H.;  
Wisniewski, H. M.  
CS N.Y.S. Inst. Basic Res. Dev. Disabilities, 1050 Forest Hill Road, Staten  
Island, NY 10314, USA  
SO Journal of Neurochemistry, (1995) Vol. 65, No. SUPPL., pp. S45.  
Meeting Info.: Fifteenth Meeting of the International Society for  
Neurochemistry. Kyoto, Japan. July 2-7, 1995.  
CODEN: JONRA9. ISSN: 0022-3042.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 2 Aug 1995  
Last Updated on STN: 13 Sep 1995

L11 ANSWER 15 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1994:453132 BIOSIS  
DN PREV199497466132  
TI Potential beta-PP-processing proteinase activities from Alzheimer's and  
control brain tissues.  
AU Lador, Uri S.; Wang, Gary T.; Klein, William L.; Holzman, Thomas F.  
[Reprint author]; Krafft, Grant A.  
CS Drug Design Delivery, Abbott Lab., Abbott Park, IL 60064, USA  
SO Journal of Protein Chemistry, (1994) Vol. 13, No. 4, pp. 357-366.  
CODEN: JPCHD2. ISSN: 0277-8033.  
DT Article  
LA English  
ED Entered STN: 24 Oct 1994  
Last Updated on STN: 16 Dec 1994

L11 ANSWER 16 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1994:131383 BIOSIS  
DN PREV199497144383  
TI Cholinesterases display genuine arylacylamidase activity but are totally  
devoid of intrinsic peptidase activities.  
AU Checler, Frederic [Reprint author]; Grassi, Jacques; Vincent, Jean-Pierre  
CS Inst. Pharmacologie Molculaire Cellulaire, UPR 411 CNRS, 660 route des  
Lucioles, Sophia Antipolis, 06560 Valbonne, France  
SO Journal of Neurochemistry, (1994) Vol. 62, No. 2, pp. 756-763.  
CODEN: JONRA9. ISSN: 0022-3042.  
DT Article  
LA English  
ED Entered STN: 24 Mar 1994  
Last Updated on STN: 11 May 1994

L11 ANSWER 17 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN  
AN 1994:96360 BIOSIS  
DN PREV199497109360  
TI Protease inhibitors and indolamines selectively inhibit cholinesterases in  
the histopathologic structures of Alzheimer's disease.  
AU Wright, Christopher I.; Geula, Changiz; Mesulam, M. Marsel [Reprint  
author]  
CS Dep. Neurology, Beth Israel Hosp, Boston, MA 02215, USA  
SO Nitsch, R. M. [Editor]; Growdon, J. H. [Editor]; Corkin, S. [Editor];  
Wurtman, R. J. [Editor]. Ann. N. Y. Acad. Sci., (1993) pp. 65-68. Annals  
of the New York Academy of Sciences; Alzheimer's disease: Amyloid  
precursor proteins, signal transduction, and neuronal transplantation.  
Publisher: New York Academy of Sciences, 2 East 63rd Street, New York, New  
York 10021, USA. Series: Annals of the New York Academy of Sciences.  
Meeting Info.: Seventh Meeting of the International Study Group on the  
Pharmacology of Memory Disorders Associated with Aging. Zurich,  
Switzerland. February 12-14, 1993.  
CODEN: ANYAA9. ISSN: 0077-8923. ISBN: 0-89766-854-5 (paper), 0-89766-853-7  
(cloth).



Conference; (Meeting)  
Book; (Book Chapter)  
Conference; (Meeting Paper)

LA English  
ED Entered STN: 5 Mar 1994  
Last Updated on STN: 5 Mar 1994

L11 ANSWER 18 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AN 1993:166917 BIOSIS  
DN PREV199395087967  
TI Protease inhibitors and indoleamines selectively inhibit cholinesterases in the histopathologic structures of Alzheimer disease.  
AU Wright, Christopher I.; Geula, Changiz; Mesulam, M.-Marsel [Reprint author]  
CS Bullard Denny-Brown Lab., Div. Neuroscience Behavioral Neurology, Dep. Neurology, Beth Israel Hosp., Harvard Med. Sch., Boston, MA 02215, USA  
SO Proceedings of the National Academy of Sciences of the United States of America, (1993) Vol. 90, No. 2, pp. 683-686.  
CODEN: PNASA6. ISSN: 0027-8424.  
DT Article  
LA English  
ED Entered STN: 31 Mar 1993  
Last Updated on STN: 1 Apr 1993

L11 ANSWER 19 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AN 1991:412064 BIOSIS  
DN PREV199192079029; BA92:79029  
TI EXACT CLEAVAGE SITE OF ALZHEIMER \*\*\*AMYLOID\*\*\* PRECURSOR IN NEURONAL PC-12 CELLS.  
AU ANDERSON J P [Reprint author]; ESCH F S; KEIM P S; SAMBAMURTI K; LIEBERBURG I; ROBAKIS N K  
CS DEP PSYCHIATRY, FISHBERG RES CENT NEUROBIOL, BOX 1229, MT SINAI MED CENT, ONE GUSTAVE LEVY PL, NEW YORK, NY 10029, USA  
SO Neuroscience Letters, (1991) Vol. 128, No. 1, pp. 126-128.  
CODEN: NELED5. ISSN: 0304-3940.  
DT Article  
FS BA  
LA ENGLISH  
ED Entered STN: 11 Sep 1991  
Last Updated on STN: 13 Nov 1991

L11 ANSWER 20 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AN 1989:50555 BIOSIS  
DN PREV198987026555; BA87:26555  
TI ISOLATION AND SEQUENCE ANALYSIS OF \*\*\*AMYLOID\*\*\* PROTEIN AA FROM A PATIENT WITH CYSTIC FIBROSIS.  
AU SKINNER M [Reprint author]; PINNETTE A; TRAVIS W D; SHWACHMAN H; COHEN A S  
CS BOSTON UNIV SCH MED, 71 E CONCORD ST, BOSTON, MASS 02118, USA  
SO Journal of Laboratory and Clinical Medicine, (1988) Vol. 112, No. 4, pp. 413-417.  
CODEN: JLCMAK. ISSN: 0022-2143.  
DT Article  
FS BA  
LA ENGLISH  
ED Entered STN: 7 Jan 1989  
Last Updated on STN: 7 Jan 1989

L11 ANSWER 21 OF 125 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AN 1977:199147 BIOSIS  
DN PREV197764021511; BA64:21511  
TI THE AMINO-ACID SEQUENCE OF DUCK \*\*\*AMYLOID\*\*\* A PROTEIN.  
AU GOREVIC P D; GREENWALD M; FRANGIONE B; PRAS M; FRANKLIN E C  
SO Journal of Immunology, (1977) Vol. 118, No. 3, pp. 1113-1118.  
CODEN: JOIMA3. ISSN: 0022-1767.  
DT Article  
FS BA  
LA Unavailable

L11 ANSWER 22 OF 125 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN  
AN 1997-01881 BIOTECHDS  
TI Acylamino and acylpeptidoamino alcohol and aldehyde derivatives;

Alzheimer disease therapy; diagnostic DNA probe and RNA probe  
AU Tung J S; Sinha S; McConlogue L; Tatsuno G; Anderson J; Semko C M F;  
Chrysler S  
PA Athena-Neurosci.  
LO South San Francisco, CA, USA.  
PI WO 9639194 \*\*\*12 Dec 1996\*\*\*  
AI WO 1996-US6211 26 Apr 1996  
PRAI US 1995-469362 6 Jun 1995; US 1995-467607 6 Jun 1995  
DT Patent  
LA English  
OS WPI: 1997-042872 [04]

L11 ANSWER 23 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1998:28496060 BIOTECHNO  
TI Evidence that tumor necrosis factor .alpha. converting enzyme is involved  
in regulated .alpha.-secretase cleavage of the Alzheimer \*\*\*amyloid\*\*\*  
protein precursor  
AU Buxbaum J.D.; Liu K.-N.; Luo Y.; Slack J.L.; Stocking K.L.; Peschon J.J.;  
Johnson R.S.; Castner B.J.; Pat Cerretti D.; Black R.A.  
CS J.D. Buxbaum, Dept. of Psychiatry, Mount Sinai School of Medicine, Box  
1230, One Gustave L. Levy Place, New York, NY 10029, United States.  
E-mail: buxbaj01@doc.mssm.edu  
SO Journal of Biological Chemistry, \*\*\* (23 OCT 1998)\*\*\* , 273/43  
(27765-27767), 41 reference(s)  
CODEN: JBCHA3 ISSN: 0021-9258  
DT Journal; Article  
CY United States  
LA English  
SL English

L11 ANSWER 24 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1998:28330853 BIOTECHNO  
TI The secretases that cleave angiotensin converting enzyme and the  
\*\*\*amyloid\*\*\* precursor protein are distinct from tumour necrosis  
factor-.alpha. convertase  
AU Parvathy S.; Karran E.H.; Turner A.J.; Hooper N.M.  
CS N.M. Hooper, School Biochem./Molecular Biology, University of Leeds,  
Leeds LS2 9JT, United Kingdom.  
E-mail: n.m.hooper@leeds.ac.uk  
SO FEBS Letters, \*\*\* (10 JUL 1998)\*\*\* , 431/1 (63-65), 24 reference(s)  
CODEN: FEBLAL ISSN: 0014-5793  
PUI S0014579398007261  
DT Journal; Article  
CY Netherlands  
LA English  
SL English

L11 ANSWER 25 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1998:28115454 BIOTECHNO  
TI Primary amyloidosis  
PRIMAIRE AMYLOIDOSE  
AU Zachee P.; Van Eygen K.; Maertens J.; Vandenberghe P.; Demuynck H.;  
Verhoef G.; Boogaerts M.A.  
CS M.A. Boogaerts, Dienst Interne Geneeskunde, Afdeling Hematologie,  
Universitaire Ziekenhuizen, Leuven, Belgium.  
SO Tijdschrift voor Geneeskunde, \*\*\* (01 MAR 1998)\*\*\* , 54/5 (338-344), 12  
reference(s)  
CODEN: TGEKBW ISSN: 0371-683X  
DT Journal; Article  
CY Belgium  
LA Dutch  
SL Dutch

L11 ANSWER 26 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1997:27337196 BIOTECHNO  
TI Heart failure and hypertension revealing amyloidosis  
INSUFFISANCE CARDIAQUE ET HYPERTENSION ARTERIELLE REVELATRICE D'UNE  
AMYLOSE  
AU Habbal R.; Nouredine M.; Hachim K.; Zahraoui M.; Azzouzi L.; Fadouach  
S.; Zaid D.; Chraibi N.  
CS Dr. R. Habbal, Service de cardiologie, CHU Ibn Rochd, Casablanca,  
Morocco.  
SO Nephrologie, ( \*\*\*1997\*\*\* ), 18/3 (91-94), 27 reference(s)  
CODEN: NEPHDY ISSN: 0250-4960  
DT Journal; Article

LA French  
SL French; English

L11 ANSWER 27 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1997:27286332 BIOTECHNO  
TI Proteolytic release of membrane proteins: Studies on a membrane-protein-solubilizing activity in CHO cells  
AU Ehlers M.R.W.; Schwager S.L.U.; Chubb A.J.; Scholle R.R.; Brandt W.F.; Riordan J.F.  
CS M.R.W. Ehlers, Department of Medical Biochemistry, Univ. of Cape Town Medical School, Observatory 7925, South Africa.  
E-mail: mehlers@physio.uct.ac.za  
SO Immunopharmacology, ( \*\*\*1997\*\*\* ), 36/2-3 (271-278), 23 reference(s)  
CODEN: IMMUDP ISSN: 0162-3109  
PUI S0162310997000325  
DT Journal; Conference Article  
CY Netherlands  
LA English  
SL English

L11 ANSWER 28 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1997:27056469 BIOTECHNO  
TI Membrane protein secretases  
AU Hooper N.M.; Karran E.H.; Turner A.J.  
CS A.J. Turner, Dept. Biochemistry Molecular Biology, The University of Leeds, Leeds LS2 9JT, United Kingdom.  
SO Biochemical Journal, ( \*\*\*1997\*\*\* ), 321/2 (265-279), 164 reference(s)  
CODEN: BIJOAK ISSN: 0264-6021  
DT Journal; General Review  
CY United Kingdom  
LA English  
SL English

L11 ANSWER 29 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1996:26365646 BIOTECHNO  
TI Lines of therapeutics research in Alzheimer's disease  
AU Shvaloff A.; Neuman E.; Guez D.  
CS DTMA, IRIS, 6 place des Pleiades, 92415 Courbevoie, France.  
SO Psychopharmacology Bulletin, ( \*\*\*1996\*\*\* ), 32/3 (343-352)  
CODEN: PSYBB0 ISSN: 0048-5764  
DT Journal; Article  
CY United States  
LA English  
SL English

L11 ANSWER 30 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1996:26023456 BIOTECHNO  
TI Processing of pro-islet \*\*\*amyloid\*\*\* polypeptide (proIAPP) by the prohormone convertase PC2  
AU Badman M.K.; Shennan K.I.J.; Jermany J.L.; Docherty K.; Clark A.  
CS Laboratory of Cellular Endocrinology, Department of Human Anatomy, University of Oxford, South Parks Road, Oxford OX2 6HE, United Kingdom.  
SO FEBS Letters, ( \*\*\*1996\*\*\* ), 378/3 (227-231)  
CODEN: FEBLAL ISSN: 0014-5793  
DT Journal; Article  
CY Netherlands  
LA English  
SL English

L11 ANSWER 31 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1994:24266677 BIOTECHNO  
TI Internal amino acid sequences via in situ cyanogen bromide cleavage  
AU Bergman T.  
CS Med. Biochemistry/Biophysics Dept., Karolinska Institutet, S-171 77 Stockholm, Sweden.  
SO Journal of Protein Chemistry, ( \*\*\*1994\*\*\* ), 13/5 (456-457)  
CODEN: JPCHD2 ISSN: 0277-8033  
DT Journal; Conference Article  
CY United States  
LA English

L11 ANSWER 32 OF 125 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1991:21072803 BIOTECHNO  
TI Spontaneous solubilization of membrane-bound human testis angiotensin-converting enzyme expressed in Chinese hamster ovary cells

CS Biochemical Sciences Center, Harvard Medical School, 250 Longwood  
 Avenue, Boston, MA 02115, United States.  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America, ( \*\*\*1991\*\*\* ), 88/3 (1009-1013)  
 CODEN: PNASA6 ISSN: 0027-8424  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L11 ANSWER 33 OF 125 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1999:159926 CAPLUS  
 DN 130:336677  
 TI Activity of monoclonal antibodies in prevention of in vitro aggregation of  
 their antigens  
 AU Solomon, Beka; Katzav-Gozanski, Tamar; Koppel, Rela; Hanan-Aharon, Eilat  
 CS Department of Molecular Microbiology & Biotechnology, Tel-Aviv University,  
 Tel-Aviv, 69978, Israel  
 SO Progress in Biotechnology ( \*\*\*1998\*\*\* ), 15(Stability and Stabilization  
 of Biocatalysis), 183-188  
 CODEN: PBITE3; ISSN: 0921-0423  
 PB Elsevier Science B.V.  
 DT Journal  
 LA English  
 RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 34 OF 125 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1998:695676 CAPLUS  
 DN 130:93874  
 TI \*\*\*Acyolphosphatase\*\*\* levels in Alzheimer's disease cultured skin  
 fibroblasts  
 AU Latorraca, S.; Cecchi, C.; Pieri, A.; Liguri, G.; Amaducci, L.; Sorbi, S.  
 CS Department of Neurological and Psychiatric Sciences, University of  
 Florence, Italy  
 SO Advances in Behavioral Biology ( \*\*\*1998\*\*\* ), 49(Progress in  
 Alzheimer's and Parkinson's Diseases), 787-791  
 CODEN: ADBBBW; ISSN: 0099-6246  
 PB Plenum Publishing Corp.  
 DT Journal  
 LA English  
 RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 35 OF 125 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:717942 CAPLUS  
 DN 128:18678  
 TI ADAM proteins and diagnostic and therapeutic uses thereof  
 IN Croucher, Peter Ian; McKie, Norman; Russell, Robert Graham Goodwin  
 PA University of Sheffield, UK; Croucher, Peter Ian; McKie, Norman; Russell,  
 Robert Graham Goodwin  
 SO PCT Int. Appl., 93 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9740072	A2	19971030	WO 1997-GB1067	19970416 <--
	WO 9740072	A3	19980326		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9725727	A1	19971112	AU 1997-25727	19970416 <--
	EP 894132	A2	19990203	EP 1997-917346	19970416
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
PRAI	GB 1996-8130	A	19960419		
	WO 1997-GB1067	W	19970416		

AN 1996:462550 CAPLUS  
 DN 125:112761  
 TI Antibodies and antibody fragments for prevention of protein aggregation and therapy of diseases associated therewith  
 IN Solomon, Beka  
 PA Ramot-Univ. Authority for Applied Research and Industrial Development Ltd., Israel; Shoshan, Herbert Z.  
 SO PCT Int. Appl., 60 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9618900	A1	19960620	WO 1995-US16092	19951213 <--
	W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SI, SK, TJ, TT, UA, US, UZ, VN				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5688651	A	19971118	US 1994-358786	19941216 <--
	AU 9645975	A1	19960703	AU 1996-45975	19951213 <--
PRAI	US 1994-358786	A	19941216		
	WO 1995-US16092	W	19951213		

L11 ANSWER 37 OF 125 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1994:264491 CAPLUS  
 DN 120:264491  
 TI Prediction of the active sites of proteins from amino acid sequences  
 AU Numao, Naganori; Kidokoro, Shunichi  
 CS Sagami Chem. Res. Cent., Sagamihara, 229, Japan  
 SO Biological & Pharmaceutical Bulletin ( \*\*\*1993\*\*\* ), 16(11), 1160-3  
 CODEN: BPBLEO; ISSN: 0918-6158  
 DT Journal  
 LA English

L11 ANSWER 38 OF 125 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1993:76636 CAPLUS  
 DN 118:76636  
 TI Method for surmising functional site in physiologically active polypeptide or polynucleotide  
 IN Numao, Naganori; Kidokoro, Shunichi  
 PA Sagami Chemical Research Center, Japan; Tosoh Corp.; Nippon Mining Co., Ltd.  
 SO Eur. Pat. Appl., 75 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 494502	A1	19920715	EP 1991-311129	19911129 <--
	R: DE, FR, GB, SE				
	JP 05130889	A2	19930528	JP 1991-173690	19910715 <--
PRAI	JP 1990-329895	A	19901130		
	JP 1991-173690	A	19910715		

L11 ANSWER 39 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAW93377 Protein DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G; Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI	***WO 9639194	A1	19961212	90p***
AI	WO 1996-US6211		19960426	
PRAI	US 1995-469362		19950606	

US 1997-850392 19970502  
 DT Patent  
 LA English  
 OS 1997-042872 [04]  
 CR N-PSDB: AAX22943  
 DESC Human cathepsin Y protein fragment #6.

L11 ANSWER 40 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAW93376 Protein DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
 beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
 disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
 Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502

DT Patent  
 LA English  
 OS 1997-042872 [04]  
 DESC Human cathepsin Y protein fragment #5.

L11 ANSWER 41 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAW93375 Protein DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
 beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
 disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
 Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502

DT Patent  
 LA English  
 OS 1997-042872 [04]  
 DESC Human cathepsin Y protein fragment #4.

L11 ANSWER 42 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAW93374 Protein DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
 beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
 disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
 Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502

DT Patent

OS 1997-042872 [04]  
DESC Human cathepsin Y protein fragment #3.

L11 ANSWER 43 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
AN AAW93373 Protein DGENE  
TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
Tung J S  
PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.  
PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
AI WO 1996-US6211 19960426  
PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502  
DT Patent  
LA English  
OS 1997-042872 [04]  
DESC Human cathepsin Y protein fragment #2.

L11 ANSWER 44 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
AN AAW93372 Protein DGENE  
TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
Tung J S  
PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.  
PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
AI WO 1996-US6211 19960426  
PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502  
DT Patent  
LA English  
OS 1997-042872 [04]  
DESC Human cathepsin Y protein fragment.

L11 ANSWER 45 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
AN AAW93371 Protein DGENE  
TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
Tung J S  
PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.  
PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
AI WO 1996-US6211 19960426  
PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502  
DT Patent  
LA English  
OS 1997-042872 [04]  
DESC Human beta- \*\*\*amyloid\*\*\* polypeptide.

AN AAW93370 Protein DGENE  
TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
Tung J S  
PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.  
PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
AI WO 1996-US6211 19960426  
PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502  
DT Patent  
LA English  
OS 1997-042872 [04]  
CR N-PSDB: AAX22942  
DESC Human cathepsin Y protein.

L11 ANSWER 47 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
AN AAW93378 Protein DGENE  
TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
Tung J S  
PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.  
PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
AI WO 1996-US6211 19960426  
PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502  
DT Patent  
LA English  
OS 1997-042872 [04]  
CR N-PSDB: AAX22944  
DESC Human cathepsin Y protein fragment #7.

L11 ANSWER 48 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
AN AAX22944 DNA DGENE  
TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
Tung J S  
PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.  
PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
AI WO 1996-US6211 19960426  
PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502  
DT Patent  
LA English  
OS 1997-042872 [04]  
DESC Human cathepsin Y PCR primer I Mer5.

L11 ANSWER 49 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
AN AAX22943 DNA DGENE



beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G; Tung J S

PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*

AI WO 1996-US6211 19960426

PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502

DT Patent

LA English

OS 1997-042872 [04]

DESC Human cathepsin Y PCR primer Acys5.

L11 ANSWER 50 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAX22942 cDNA DGENE

TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G; Tung J S

PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*

AI WO 1996-US6211 19960426

PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502

DT Patent

LA English

OS 1997-042872 [04]

CR P-PSDB: AAW93370

DESC Human cathepsin Y cDNA.

L11 ANSWER 51 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAX22952 DNA DGENE

TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G; Tung J S

PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*

AI WO 1996-US6211 19960426

PRAI US 1995-469362 19950606  
US 1995-467607 19950606  
US 1997-850392 19970502

DT Patent

LA English

OS 1997-042872 [04]

DESC Human cathepsin Y primer RACE31-NC.

L11 ANSWER 52 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAX22951 DNA DGENE

TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

PA Tung J S  
(ATHE-N) ATHENA NEUROSCIENCES INC.  
(ANDE-I) ANDERSON J.  
(CHRY-I) CHRYSLER S.  
(MCCO-I) MCCONLOGUE L.  
(SINH-I) SINHA S.  
(TATS-I) TATSUNO G.  
(TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212

90p\*\*\*

AI WO 1996-US6211 19960426

PRAI US 1995-469362 19950606

US 1995-467607 19950606

US 1997-850392 19970502

DT Patent

LA English

OS 1997-042872 [04]

DESC Human cathepsin Y primer 1821.

L11 ANSWER 53 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAX22950 DNA DGENE

TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;

Tung J S

PA (ATHE-N) ATHENA NEUROSCIENCES INC.

(ANDE-I) ANDERSON J.

(CHRY-I) CHRYSLER S.

(MCCO-I) MCCONLOGUE L.

(SINH-I) SINHA S.

(TATS-I) TATSUNO G.

(TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212

90p\*\*\*

AI WO 1996-US6211 19960426

PRAI US 1995-469362 19950606

US 1995-467607 19950606

US 1997-850392 19970502

DT Patent

LA English

OS 1997-042872 [04]

DESC Human cathepsin Y anchor primer.

L11 ANSWER 54 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAX22949 DNA DGENE

TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;

Tung J S

PA (ATHE-N) ATHENA NEUROSCIENCES INC.

(ANDE-I) ANDERSON J.

(CHRY-I) CHRYSLER S.

(MCCO-I) MCCONLOGUE L.

(SINH-I) SINHA S.

(TATS-I) TATSUNO G.

(TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212

90p\*\*\*

AI WO 1996-US6211 19960426

PRAI US 1995-469362 19950606

US 1995-467607 19950606

US 1997-850392 19970502

DT Patent

LA English

OS 1997-042872 [04]

DESC Human cathepsin Y PCR primer 1577.

L11 ANSWER 55 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAX22948 DNA DGENE

TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
disease, also prepn. of cathepsin Y and nucleic acid encoding for it.

IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;

Tung J S

PA (ATHE-N) ATHENA NEUROSCIENCES INC.

(ANDE-I) ANDERSON J.

(MCCO-I) MCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502

DT Patent  
 LA English  
 OS 1997-042872 [04]  
 DESC Human cathepsin Y PCR primer 1576.

L11 ANSWER 56 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAX22947 DNA DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
 beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
 disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
 Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502

DT Patent  
 LA English  
 OS 1997-042872 [04]  
 DESC Human cathepsin Y PCR primer 872.

L11 ANSWER 57 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAX22946 DNA DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
 beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
 disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
 Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.  
 (TUNG-I) TUNG JS.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502

DT Patent  
 LA English  
 OS 1997-042872 [04]  
 DESC Human cathepsin Y PCR primer 788-1.

L11 ANSWER 58 OF 125 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 AN AAX22945 DNA DGENE  
 TI Acylamino and acyl:peptido:amino alcohol and aldehyde derivs. - inhibit  
 beta- \*\*\*amyloid\*\*\* peptide prodn. in cells, use in Alzheimer's  
 disease, also prepn. of cathepsin Y and nucleic acid encoding for it.  
 IN Anderson J; Chrysler S; McConlogue L; Semko C M F; Sinha S; Tatsuno G;  
 Tung J S  
 PA (ATHE-N) ATHENA NEUROSCIENCES INC.  
 (ANDE-I) ANDERSON J.  
 (CHRY-I) CHRYSLER S.  
 (MCCO-I) MCONLOGUE L.  
 (SINH-I) SINHA S.  
 (TATS-I) TATSUNO G.

PI \*\*\*WO 9639194 A1 19961212 90p\*\*\*  
 AI WO 1996-US6211 19960426  
 PRAI US 1995-469362 19950606  
 US 1995-467607 19950606  
 US 1997-850392 19970502  
 DT Patent  
 LA English  
 OS 1997-042872 [04]  
 DESC Human cathepsin Y PCR primer LM#4.

L11 ANSWER 59 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 1999036937 EMBASE  
 TI Vascular nitric oxide may lessen Alzheimer's risk.  
 AU McCarty M.F.  
 CS M.F. McCarty, Nutrition 21, 1010 Turquoise Street, San Diego, CA 92109,  
 United States  
 SO Medical Hypotheses, (1998) 51/6 (465-476).  
 Refs: 173  
 ISSN: 0306-9877 CODEN: MEHYDY  
 CY United Kingdom  
 DT Journal; Article  
 FS 005 General Pathology and Pathological Anatomy  
 008 Neurology and Neurosurgery  
 029 Clinical Biochemistry  
 LA English  
 SL English

L11 ANSWER 60 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 1998240546 EMBASE  
 TI Alzheimer's disease therapy - An update.  
 AU Nikolov R.  
 CS Dr. R. Nikolov, Head of the Pharmacological Dept., Chemical Pharmaceut.  
 Res. Institute, 3, Kliment Ohridsky Blvd., 1756 Sofia, Bulgaria  
 SO Drug News and Perspectives, (1998) 11/4 (248-255).  
 ISSN: 0214-0934 CODEN: DNPEED  
 CY Spain  
 DT Journal; Conference Article  
 FS 008 Neurology and Neurosurgery  
 030 Pharmacology  
 037 Drug Literature Index  
 038 Adverse Reactions Titles  
 LA English  
 SL English

L11 ANSWER 61 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 1998066329 EMBASE  
 TI Alzheimer's \*\*\*amyloid\*\*\* precursor protein .alpha.-secretase is  
 inhibited by hydroxamic acid-based zinc metalloprotease inhibitors:  
 Similarities to the angiotensin converting enzyme secretase.  
 AU Parvathy S.; Hussain I.; Karran E.H.; Turner A.J.; Hooper N.M.  
 CS N.M. Hooper, Sch. of Biochemistry/Molec. Biol., University of Leeds, Leeds  
 LS2 9JT, United Kingdom. n.m.hooper@leeds.ac.uk  
 SO Biochemistry, (10 Feb 1998) 37/6 (1680-1685).  
 Refs: 44  
 ISSN: 0006-2960 CODEN: BICHAW  
 CY United States  
 DT Journal; Article  
 FS 008 Neurology and Neurosurgery  
 029 Clinical Biochemistry  
 LA English  
 SL English

L11 ANSWER 62 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 97381123 EMBASE  
 DN 1997381123  
 TI Update in Nephrology '97: Hypertension, lipids, and uremia therapy.  
 AU Avram M.M.  
 CS Dr. M.M. Avram, Department of Medicine, Division of Nephrology, Long  
 Island College Hospital, Hicks St at Atlantic Ave, Brooklyn, NY 11201,  
 United States  
 SO American Journal of Kidney Diseases, (1997) 30/6 (896-898).

CY United States  
 DT Journal; Conference Article  
 FS 018 Cardiovascular Diseases and Cardiovascular Surgery  
 028 Urology and Nephrology  
 036 Health Policy, Economics and Management  
 037 Drug Literature Index  
 LA English

L11 ANSWER 63 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 97115160 EMBASE  
 DN 1997115160  
 TI [Pharmacotherapy in Alzheimer's dementia: Treatment of cognitive symptoms  
 - Results of new studies].  
 PHARMAKOTHERAPIE BEI ALZHEIMER-DEMENTZ: THERAPIE KOGNITIVER SYMPTOME - NEUE  
 STUDIENRESULTATE.  
 AU Heidrich A.; Rosler M.; Riederer P.  
 CS Dr. A. Heidrich, Psychiatrische Universitätsklinik, Fuchsleinstrasse 15,  
 D-97080 Würzburg, Germany  
 SO Fortschritte der Neurologie Psychiatrie, (1997) 65/3 (108-121).  
 Refs: 160  
 ISSN: 0720-4299 CODEN: FNPGA3  
 CY Germany  
 DT Journal; General Review  
 FS 032 Psychiatry  
 037 Drug Literature Index  
 LA German  
 SL German; English

L11 ANSWER 64 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 97068155 EMBASE  
 DN 1997068155  
 TI Rat amylin mediates a presser response in the anaesthetised rat:  
 Implications for the association between hypertension and diabetes  
 mellitus.  
 AU Haynes J.M.; Hodgson W.C.; Cooper M.E.  
 CS Prof. M.E. Cooper, Department of Medicine, University of Melbourne,  
 Austin/Repatriation Medical Centre, Heidelberg West, Vic. 3081, Australia  
 SO Diabetologia, (1997) 40/3 (256-261).  
 Refs: 43  
 ISSN: 0012-186X CODEN: DBTGAI  
 CY Germany  
 DT Journal; Article  
 FS 003 Endocrinology  
 018 Cardiovascular Diseases and Cardiovascular Surgery  
 030 Pharmacology  
 037 Drug Literature Index  
 LA English  
 SL English

L11 ANSWER 65 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 97034601 EMBASE  
 DN 1997034601  
 TI Severe stroke.  
 AU Brandt T.; Grau A.J.; Hacke W.  
 CS Dr. T. Brandt, Emergency Unit, Department of Neurology, University of  
 Heidelberg, INF 400, D-69120 Heidelberg, Germany  
 SO Bailliere's Clinical Neurology, (1996) 5/3 (515-541).  
 Refs: 94  
 ISSN: 0961-0421 CODEN: BCNUEK  
 CY United Kingdom  
 DT Journal; General Review  
 FS 005 General Pathology and Pathological Anatomy  
 008 Neurology and Neurosurgery  
 036 Health Policy, Economics and Management  
 037 Drug Literature Index  
 LA English  
 SL English

L11 ANSWER 66 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 96294100 EMBASE  
 DN 1996294100

of the juxtamembrane stalk sequence.

AU Ehlers M.R.W.; Schwager S.L.U.; Scholle R.R.; Manji G.A.; Brandt W.F.; Riordan J.F.

CS CBBSM, Harvard Medical School, Boston, MA 02115, United States

SO Biochemistry, (1996) 35/29 (9549-9559).  
ISSN: 0006-2960 CODEN: BICHAW

CY United States

DT Journal; Article

FS 029 Clinical Biochemistry

LA English

SL English

L11 ANSWER 67 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

AN 96131313 EMBASE

DN 1996131313

TI Reactive (AA) systemic amyloidosis.

AU Allen A.R.

CS Department of Medicine, Royal Postgraduate Medical School, Hammersmith Hospital, London W12 0NN, United Kingdom

SO British Medical Journal, (1996) 312/7038 (1087-1089).  
ISSN: 0959-8146 CODEN: BMJOAE

CY United Kingdom

DT Journal; (Short Survey)

FS 005 General Pathology and Pathological Anatomy  
026 Immunology, Serology and Transplantation  
028 Urology and Nephrology  
037 Drug Literature Index

LA English

L11 ANSWER 68 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

AN 93348253 EMBASE

DN 1993348253

TI Protease inhibitors and indolamines selectively inhibit cholinesterases in the histopathologic structures of Alzheimer's disease.

AU Wright C.I.; Geula C.; Mesulam M.-M.

CS Harvard Department of Neurology, Beth Israel Hospital, Boston, MA 02215, United States

SO Annals of the New York Academy of Sciences, (1993) 695/- (65-68).  
ISSN: 0077-8923 CODEN: ANYAA

CY United States

DT Journal; Conference Article

FS 005 General Pathology and Pathological Anatomy  
008 Neurology and Neurosurgery  
029 Clinical Biochemistry

LA English

SL English

L11 ANSWER 69 OF 125 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

AN 92308894 EMBASE

DN 1992308894

TI Pharmacological mechanisms and animal models of cognition.

AU Dawson G.R.; Heyes C.M.; Iversen S.D.

CS Merck Sharp and Dohme Neuroscience, Research Centre, Terlings Park, Harlow, United Kingdom

SO Behavioural Pharmacology, (1992) 3/4 (285-297).  
ISSN: 0955-8810 CODEN: BPHAEL

CY United Kingdom

DT Journal; General Review

FS 002 Physiology  
005 General Pathology and Pathological Anatomy  
008 Neurology and Neurosurgery  
029 Clinical Biochemistry  
030 Pharmacology  
037 Drug Literature Index

LA English

SL English

L11 ANSWER 70 OF 125 Elsevier BIOBASE COPYRIGHT 2005 Elsevier Science B.V. on STN

AN 1998242422 ESBIOBASE

TI \*\*\*Phosphatidylinositol\*\*\* \*\*\*3\*\*\* - \*\*\*kinase\*\*\* : Increased activity and protein level in amyotrophic lateral sclerosis

CS Dr. C. Krieger, Division of Neurology, Department of Medicine, VHHSC,  
Vancouver, BC V6T 2B5, Canada.  
SO Journal of Neurochemistry, ( \*\*\*1998\*\*\* ), 71/2 (716-722), 30  
reference(s)  
CODEN: JONRA0 ISSN: 0022-3042  
DT Journal; Article  
CY United States  
LA English  
SL English

L11 ANSWER 71 OF 125 Elsevier BIOBASE COPYRIGHT 2005 Elsevier Science B.V.  
on STN  
AN 1997176943 ESBIODBASE  
TI Insulin and insulin-like growth factor-1 regulate tau phosphorylation in  
cultured human neurons  
AU Hong M.; Lee V.M.-Y.  
CS V.M.-Y. Lee, Pathol./Laboratory Medicine Dept., CNDR, Univ. of  
Pennsylvania Sch. of Med., 3600 Spruce St., Philadelphia, PA 19104,  
United States.  
E-mail: vmylee@mail.med.upenn.edu  
SO Journal of Biological Chemistry, ( \*\*\*1997\*\*\* ), 272/31 (19547-19553),  
64 reference(s)  
CODEN: JBCHA3 ISSN: 0021-9258  
DT Journal; Article  
CY United States  
LA English  
SL English

L11 ANSWER 72 OF 125 LIFESCI COPYRIGHT 2005 CSA on STN  
AN 1999:6669 LIFESCI  
TI \*\*\*Amyloid\*\*\* fibril formation by an SH3 domain  
AU Guijarro, J.I.n.a.; Sunde, M.; Jones, J.A.; Campbell, I.D.; Dobson, C.M.  
CS Oxford Centre for Molecular Sciences, New Chemistry Laboratory and  
Department of Biochemistry, University of Oxford, South Parks Road, Oxford  
OX1 3QT, United Kingdom  
SO Proc. Natl. Acad. Sci. USA, ( \*\*\*19980414\*\*\* ) vol. 95, no. 12, pp.  
4224-4228.  
ISSN: 0027-8424.  
DT Journal  
FS N3  
LA English  
SL English

L11 ANSWER 73 OF 125 LIFESCI COPYRIGHT 2005 CSA on STN  
AN 93:47050 LIFESCI  
TI Protease inhibitors and indoleamines selectively inhibit cholinesterases  
in the histopathologic structures of Alzheimer disease.  
AU Wright, C.I.; Geula, C.; Mesulam, M.-M.  
CS Bullard and Denny-Brown Lab., Div. Neurosci. and Behav. Neurol., Dep.  
Neurol., Beth Israel Hosp. and Harvard Med. Sch., Boston, MA 02215, USA  
SO PROC. NATL. ACAD. SCI. USA., ( \*\*\*1990\*\*\* ) vol. 90, no. 2, pp. 683-686.  
ISSN: 0027-8424.  
DT Journal  
FS L  
LA English  
SL English

L11 ANSWER 74 OF 125 MEDLINE on STN  
AN 77237687 MEDLINE  
DN PubMed ID: 70111  
TI [State of the kinin system and level of serum proteinase inhibitors in  
latent nephritis and the nephrotic syndrome of different etiology].  
Sostoianie kininovoii sistemy i uroven' ingibitorov proteinaz syvorotki  
krovi pri latentnom nefrite i nefroticheskom sindrome razlichnoi  
etiologii.  
AU Pashkina T S; Poliantseva L R; Krinskaia A V; Belolipetskaia Iu G;  
Nartikova V F  
SO Voprosy meditsinskoi khimii, \*\*\* (1977 Mar-Apr) \*\*\* 23 (2) 241-51.  
Journal code: 0416601. ISSN: 0042-8809.  
CY USSR  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Russian  
FS Priority Journals  
EM 197709  
ED Entered STN: 19900314

Entered Medline: 19770917

L11 ANSWER 75 OF 125 MEDLINE on STN  
AN 74148480 MEDLINE  
DN PubMed ID: 4596149  
TI Amino acid sequence of a kappa Bence Jones protein from a case of primary amyloidosis.  
AU Putnam F W; Whitley E J Jr; Paul C; Davidson J N  
SO Biochemistry, \*\*\* (1973 Sep 11) \*\*\* 12 (19) 3763-80.  
Journal code: 0370623. ISSN: 0006-2960.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 197406  
ED Entered STN: 19900310  
Last Updated on STN: 19990129  
Entered Medline: 19740620

L11 ANSWER 76 OF 125 MEDLINE on STN  
AN 74120351 MEDLINE  
DN PubMed ID: 4816450  
TI The complete amino-acid sequence of non-immunoglobulin \*\*\*amyloid\*\*\* fibril protein AS in rheumatoid arthritis.  
AU Sletten K; Husby G  
SO European journal of biochemistry / FEBS, \*\*\* (1974 Jan 3) \*\*\* 41 (1) 117-25.  
Journal code: 0107600. ISSN: 0014-2956.  
CY GERMANY, WEST: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 197405  
ED Entered STN: 19900310  
Last Updated on STN: 19900310  
Entered Medline: 19740516

L11 ANSWER 77 OF 125 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.  
on STN  
AN 1998:654676 SCISEARCH  
GA The Genuine Article (R) Number: 112UB  
TI Effect of human C-reactive protein on chemokine and chemotactic factor-induced neutrophil chemotaxis and signaling  
AU Zhong W J; Zen Q; Tebo J; Schlottmann K; Coggeshall M; Mortensen R F (Reprint)  
CS OHIO STATE UNIV, DEPT MICROBIOL, 484 W 12TH AVE, COLUMBUS, OH 43210 (Reprint); OHIO STATE UNIV, DEPT MICROBIOL, COLUMBUS, OH 43210; OHIO STATE UNIV, CTR COMPREHENS CANC, COLUMBUS, OH 43210  
CYA USA  
SO JOURNAL OF IMMUNOLOGY, ( \*\*\*1 SEP 1998\*\*\* ) Vol. 161, No. 5, pp. 2533-2540.  
Publisher: AMER ASSOC IMMUNOLOGISTS, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0022-1767.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 55  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L11 ANSWER 78 OF 125 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.  
on STN  
AN 97:309540 SCISEARCH  
GA The Genuine Article (R) Number: WU039  
TI Heterologous expression of human cholecystokinin in Saccharomyces cerevisiae - Evidence for a lysine-specific endopeptidase in the yeast secretory pathway  
AU Rourke I J (Reprint); Johnsen A H; Din N N; Petersen J G L; Rehfeld J F  
CS WALTER & ELIZA HALL INST MED RES, CELLULAR IMMUNOL UNIT, ROYAL MELBOURNE HOSP PO, MELBOURNE, VIC 3050, AUSTRALIA (Reprint); UNIV COPENHAGEN, RIGSHOSP, DEPT CLIN BIOCHEM, COPENHAGEN O, DENMARK; NOVO NORDISK AS, DK-2880 BAGSVAERD, DENMARK  
CYA AUSTRALIA; DENMARK  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, ( \*\*\*11 APR 1997\*\*\* ) Vol. 272, No. 15, pp. 9720-9727.



PIKE, BETHESDA, MD 20814.  
 ISSN: 0021-9258.  
 DT Article; Journal  
 FS LIFE  
 LA English  
 REC Reference Count: 47  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L11 ANSWER 79 OF 125 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.  
 on STN  
 AN 97:290097 SCISEARCH  
 GA The Genuine Article (R) Number: WR488  
 TI Identification of ErbB3-stimulated genes using modified representational  
 difference analysis  
 AU Edman C F; Prigent S A (Reprint); Schipper A; Feramisco J R  
 CS UNIV LEICESTER, DEPT BIOCHEM, ADRIAN BLDG, UNIV RD, LEICESTER LE1 7RH,  
 LEICS, ENGLAND (Reprint); UNIV CALIF SAN DIEGO, SCH MED, CTR CANC, LA  
 JOLLA, CA 92093  
 CYA ENGLAND; USA  
 SO BIOCHEMICAL JOURNAL, ( \*\*\*1 APR 1997\*\*\* ) Vol. 323, Part 1, pp. 113-118.  
 Publisher: PORTLAND PRESS, 59 PORTLAND PLACE, LONDON, ENGLAND W1N 3AJ.  
 ISSN: 0264-6021.  
 DT Article; Journal  
 FS LIFE  
 LA English  
 REC Reference Count: 48  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L11 ANSWER 80 OF 125 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.  
 on STN  
 AN 96:64005 SCISEARCH  
 GA The Genuine Article (R) Number: TP367  
 TI MONOCLONAL-ANTIBODIES INHIBIT IN-VITRO FIBRILLAR AGGREGATION OF THE  
 ALZHEIMER BETA- \*\*\*AMYLOID\*\*\* PEPTIDE  
 AU SOLOMON B (Reprint); KOPPEL R; HANAN E; KATZAV T  
 CS TEL AVIV UNIV, GEORGE S WISE FAC LIFE SCI, DEPT MOLEC MICROBIOL &  
 BIOTECHNOL, IL-69978 RAMAT AVIV, ISRAEL (Reprint)  
 CYA ISRAEL  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
 AMERICA, ( \*\*\*09 JAN 1996\*\*\* ) Vol. 93, No. 1, pp. 452-455.  
 ISSN: 0027-8424.  
 DT Article; Journal  
 FS LIFE  
 LA ENGLISH  
 REC Reference Count: 32  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L11 ANSWER 81 OF 125 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.  
 on STN  
 AN 91:549508 SCISEARCH  
 GA The Genuine Article (R) Number: GH295  
 TI THE PROCESSING OF ALZHEIMER A4/BETA- \*\*\*AMYLOID\*\*\* PROTEIN-PRECURSOR -  
 IDENTIFICATION OF A HUMAN BRAIN METALLOPEPTIDASE WHICH CLEAVES -LYS-LEU-  
 IN A MODEL PEPTIDE  
 AU MCDERMOTT J R (Reprint); GIBSON A M  
 CS NEWCASTLE GEN HOSP, MRC, NEUROCHEM PATHOL UNIT, WESTGATE RD, NEWCASTLE  
 TYNE NE4 6BE, TYNE & WEAR, ENGLAND (Reprint)  
 CYA ENGLAND  
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ( \*\*\*1991\*\*\* ) Vol.  
 179, No. 3, pp. 1148-1154.  
 DT Article; Journal  
 FS LIFE  
 LA ENGLISH  
 REC Reference Count: 25

L11 ANSWER 82 OF 125 USPATFULL on STN  
 AN 2004:294591 USPATFULL  
 TI Compositions and methods for enhancing immune responses mediated by  
 antigen-presenting cells  
 IN Sanderson, Sam D., Omaha, NE, United States  
 Hollingsworth, Michael A., Omaha, NE, United States  
 Tempero, Richard A., Omaha, NE, United States  
 PA The Board of Regents of the University of Nebraska, Lincoln, NE, United  
 States (U.S. corporation)  
 PI US 6821517 B1 20041123

AI US 1998-51685 19980417 (9)  
 WO 1996-US16825 19961018  
 PRAI US 1995-5727P 19951020 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 1677  
 INCL INCLM: 424/184.100  
 INCLS: 424/185.100; 424/192.100; 424/193.100; 424/194.100; 424/195.110;  
 424/277.100; 424/278.100; 530/350.000; 530/380.000; 530/402.000  
 NCL NCLM: 424/184.100  
 NCLS: 424/185.100; 424/192.100; 424/193.100; 424/194.100; 424/195.110;  
 424/277.100; 424/278.100; 530/350.000; 530/380.000; 530/402.000  
 IC [7]  
 ICM: A61K039-00  
 ICS: A61K039-39; C07K014-00  
 EXF 530/350; 530/351; 530/387.1; 530/388.2; 530/388.22; 530/389.1;  
 530/389.6; 530/403; 530/806; 530/388.7; 530/388.73; 530/391.1; 530/402;  
 424/184.1; 424/185.1; 424/192.1; 424/193.1; 424/194.1; 424/195.11;  
 424/277.1; 424/278.1; 436/547  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 83 OF 125 USPATFULL on STN  
 AN 2002:115819 USPATFULL  
 TI Fibrinogen-coated particles for therapeutic use  
 IN Yen, Richard C. K., Yorba Linda, CA, United States  
 PA Hemosphere, Inc., Anaheim, CA, United States (U.S. corporation)  
 PI US 6391343 B1 20020521  
 WO 9639128 19961212 <--  
 AI US 1998-952765 19980410 (8)  
 WO 1996-US9458 19960604  
 19980410 PCT 371 date  
 RLI Continuation-in-part of Ser. No. US 1995-554919, filed on 9 Nov 1995,  
 now abandoned Continuation-in-part of Ser. No. US 1995-471650, filed on  
 6 Jun 1995, now patented, Pat. No. US 5725804 Continuation-in-part of  
 Ser. No. US 1994-212546, filed on 14 Mar 1994, now patented, Pat. No. US  
 5616311 Continuation-in-part of Ser. No. US 1993-69831, filed on 1 Jun  
 1993, now abandoned Continuation-in-part of Ser. No. US 1992-959560,  
 filed on 13 Oct 1992, now patented, Pat. No. US 5308620  
 Continuation-in-part of Ser. No. US 1991-641720, filed on 15 Jan 1991,  
 now abandoned  
 DT Utility  
 FS GRANTED  
 LN.CNT 2407  
 INCL INCLM: 424/491.000  
 INCLS: 424/078.060; 427/002.140; 514/002.000; 514/834.000; 514/937.000;  
 514/951.000; 516/077.000  
 NCL NCLM: 424/491.000  
 NCLS: 424/078.060; 427/002.140; 514/002.000; 514/834.000; 514/937.000;  
 514/951.000; 516/077.000  
 IC [7]  
 ICM: A61K009-16  
 ICS: A61K038-36; A61K038-38  
 EXF 264/4.3; 427/2.14; 427/2.21; 427/213.3; 427/213.33; 424/78.06; 424/491;  
 424/493; 514/2; 514/834; 514/937; 514/951; 514/965; 516/77  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 84 OF 125 USPATFULL on STN  
 AN 2001:116764 USPATFULL  
 TI Ataxia-telangiectasia gene and its genomic organization  
 IN Shiloh, Yosef, Tel Aviv, Israel  
 PA Ramot-University Authority for Applied Research and Industrial  
 Development, Tel Aviv, Israel (non-U.S. corporation)  
 PI US 6265158 B1 20010724  
 WO 9636691 19961121 <--  
 AI US 1998-952014 19980202 (8)  
 WO 1996-US7025 19960516  
 19980202 PCT 371 date  
 19980202 PCT 102(e) date  
 RLI Continuation-in-part of Ser. No. US 1996-629001, filed on 8 Apr 1996,  
 now patented, Pat. No. US 5858661 Continuation-in-part of Ser. No. US  
 1995-441822, filed on 16 May 1995, now patented, Pat. No. US 5756288  
 DT Utility  
 FS GRANTED  
 LN.CNT 3109  
 INCL INCLM: 435/006.000

NCL NCLM: 435/006.000  
NCLS: 536/023.100; 536/024.300; 536/024.310  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04  
EXF 435/6; 536/23.1; 536/24.3; 536/24.31  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 85 OF 125 USPATFULL on STN  
AN 2001:107872 USPATFULL  
TI Delivery of gene products by intestinal cell expression  
IN German, Michael, San Francisco, CA, United States  
Goldfine, Ira D., Kentfield, CA, United States  
Rothman, Stephen S., Berkeley, CA, United States  
PA The Regents of the University of California, Oakland, CA, United States  
(U.S. corporation)  
PI US 6258789 B1 20010710  
WO 9811779 19980326 <--  
AI US 1999-254988 19990611 (9)  
WO 1997-US16523 19970918  
19990611 PCT 371 date  
19990611 PCT 102(e) date  
RLI Continuation-in-part of Ser. No. US 1996-717084, filed on 20 Sep 1996  
DT Utility  
FS GRANTED  
LN.CNT 1591  
INCL INCLM: 514/044.000  
INCLS: 435/320.100; 435/455.000; 435/458.000  
NCL NCLM: 514/044.000  
NCLS: 435/320.100; 435/455.000; 435/458.000  
IC [7]  
ICM: A61K048-00  
EXF 514/44; 424/93.2; 424/93.21; 435/320.1; 435/455; 435/458; 435/325;  
435/69.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 86 OF 125 USPATFULL on STN  
AN 2001:48208 USPATFULL  
TI Ataxia-telangiectasia gene  
IN Shiloh, Yosef, Tel Aviv, Israel  
Tagle, Danilo A., Gaithersburg, MD, United States  
Collins, Francis, Rockville, MD, United States  
PA The United States of America as represented by the Department of Health  
and Human Services, Washington, DC, United States (U.S. government)  
Ramot University Authority for Applied Research and Industrial Dev.,  
Israel (non-U.S. corporation)  
PI US 6211336 B1 20010403  
WO 9636695 19961121 <--  
AI US 1998-952127 19980226 (8)  
WO 1996-US7040 19960516  
19980226 PCT 371 date  
19980226 PCT 102(e) date  
RLI Continuation-in-part of Ser. No. US 1995-508836, filed on 28 Jul 1995,  
now patented, Pat. No. US 5777093 Continuation-in-part of Ser. No. US  
1995-493092, filed on 21 Jun 1995, now patented, Pat. No. US 5728807  
Continuation-in-part of Ser. No. US 1995-441822, filed on 16 May 1995,  
now patented, Pat. No. US 5756288  
DT Utility  
FS Granted  
LN.CNT 2279  
INCL INCLM: 530/350.000  
INCLS: 530/326.000  
NCL NCLM: 530/350.000  
NCLS: 530/326.000  
IC [7]  
ICM: C07K001-00  
ICS: C07K014-00; C07K017-00  
EXF 530/326; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 87 OF 125 USPATFULL on STN  
AN 1999:132587 USPATFULL  
TI Tryptase inhibitor  
IN Fritz, Hans, Icking, Germany, Federal Republic of  
Sommerhoff, Christian, Munich, Germany, Federal Republic of

UCP Gen-Pharma AG, Zurich, Switzerland (non-U.S. corporation)  
PI US 5972698 19991026  
WO 9503333 19950202 <--  
AI US 1996-586676 19960125 (8)  
WO 1994-EP2445 19940725  
19960125 PCT 371 date  
19960125 PCT 102(e) date  
PRAI EP 1993-111930 19930726  
DT Utility  
FS Granted  
LN.CNT 1988  
INCL INCLM: 435/320.100  
INCLS: 435/069.200; 435/212.000; 514/012.000; 530/324.000; 536/023.500  
NCL NCLM: 435/320.100  
NCLS: 435/069.200; 435/212.000; 514/012.000; 530/324.000; 536/023.500  
IC [6]  
ICM: C07K014-815  
ICS: C12N015-11; A61K038-58  
EXF 435/219; 435/69.2; 435/172.3; 435/320.1; 435/325; 435/252.3; 435/254.11;  
514/2; 514/826; 530/300; 530/324; 536/23.1; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 88 OF 125 USPATFULL on STN  
AN 1998:162469 USPATFULL  
TI A.beta. peptides that modulate .beta.- \*\*\*amyloid\*\*\* aggregation  
IN Findeis, Mark A., Cambridge, MA, United States  
Benjamin, Howard, Lexington, MA, United States  
Garnick, Marc B., Brookline, MA, United States  
Gefter, Malcolm L., Lincoln, MA, United States  
Hundal, Arvind, Brighton, MA, United States  
Kasman, Laura, Athens, GA, United States  
Musso, Gary, Hopkinton, MA, United States  
Signer, Ethan R., Cambridge, MA, United States  
Wakefield, James, Brookline, MA, United States  
Reed, Michael, Marietta, GA, United States  
Molineaux, Susan, Brookline, MA, United States  
Kubasek, William, Belmont, MA, United States  
Chin, Joseph, Salem, MA, United States  
Lee, Jung-Ja, Wayland, MA, United States  
Kelley, Michael, Arlington, MA, United States  
PA Praecis Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.  
corporation)  
PI US 5854204 19981229 <--  
AI US 1996-612785 19960314 (8)  
RLI Continuation-in-part of Ser. No. US 1995-404831, filed on 14 Mar 1995  
And a continuation-in-part of Ser. No. US 1995-475579, filed on 7 Jun  
1995 And a continuation-in-part of Ser. No. US 1995-548998, filed on 27  
Oct 1995  
DT Utility  
FS Granted  
LN.CNT 4304  
INCL INCLM: 514/002.000  
INCLS: 514/012.000; 514/014.000; 530/324.000; 530/326.000  
NCL NCLM: 514/002.000  
NCLS: 514/012.000; 514/014.000; 530/324.000; 530/326.000  
IC [6]  
ICM: C07K014-435  
ICS: C07K007-08  
EXF 514/14; 514/12; 514/2; 530/300; 530/324; 530/326; 930/10  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 89 OF 125 USPATFULL on STN  
AN 1998:162337 USPATFULL  
TI Hexokinase inhibitors  
IN Newgard, Christopher B., Dallas, TX, United States  
Han, He-Ping, Arlington, TX, United States  
Normington, Karl D., Dallas, TX, United States  
PA Board of Regents, The University of Texas System, Austin, TX, United  
States (U.S. corporation)  
Betagene, Inc., Dallas, TX, United States (U.S. corporation)  
PI US 5854067 19981229 <--  
AI US 1996-588983 19960119 (8)  
DT Utility  
FS Granted  
LN.CNT 5377

INCLS: 425/004.000; 425/006.000; 425/091.100; 425/091.310; 425/183.000;  
425/320.100; 425/325.000; 536/023.100; 536/024.310; 536/024.500  
NCL NCLM: 435/366.000  
NCLS: 435/004.000; 435/006.000; 435/091.100; 435/091.310; 435/183.000;  
435/320.100; 435/325.000; 536/023.100; 536/024.310; 536/024.500  
IC [6]  
ICM: C12N015-85  
ICS: C12N015-00; C12N015-63; C12Q001-68  
EXF 435/325; 435/4; 435/6; 435/69.1; 435/320.1; 435/172.3; 424/94.1;  
536/23.1; 536/24.5; 514/44; 576/24.31  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 90 OF 125 USPATFULL on STN  
AN 1998:157315 USPATFULL  
TI Cathepsin and methods and compositions for inhibition thereof  
IN Tung, Jay S., Belmont, CA, United States  
Sinha, Sukanto, San Francisco, CA, United States  
McConlogue, Lisa, San Francisco, CA, United States  
Semko, Christopher M. F., Fremont, CA, United States  
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
PI US 5849711 19981215 <--  
AI US 1995-469362 19950606 (8)  
DT Utility  
FS Granted  
LN.CNT 2445  
INCL INCLM: 514/019.000  
INCLS: 514/693.000; 514/706.000; 514/715.000; 514/716.000; 514/721.000;  
514/724.000; 514/727.000  
NCL NCLM: 514/019.000  
NCLS: 514/693.000; 514/704.000; 514/715.000; 514/716.000; 514/721.000;  
514/724.000; 514/727.000  
IC [6]  
ICM: A61K038-06  
ICS: A01N035-00; A01N033-18; A01N031-00  
EXF 514/19; 514/693; 514/704; 564/123  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 91 OF 125 USPATFULL on STN  
AN 1998:150698 USPATFULL  
TI Dioxetane compounds for the chemiluminescent detection of proteases,  
methods of use and kits therefore  
IN Bronstein, Irena, Newton, MA, United States  
Edwards, Brooks, Cambridge, MA, United States  
Martin, Christopher, Belmont, MA, United States  
Sparks, Alison, North Andover, MA, United States  
Voyta, John C., Sudbury, MA, United States  
PA Tropix, Inc., New Bedford, MA, United States (U.S. corporation)  
PI US 5843681 19981201 <--  
AI US 1996-728990 19961011 (8)  
RLI Continuation of Ser. No. US 1995-385788, filed on 9 Feb 1995, now  
patented, Pat. No. US 5591591  
DT Utility  
FS Granted  
LN.CNT 764  
INCL INCLM: 435/007.400  
INCLS: 435/006.000; 530/330.000; 530/331.000; 530/807.000; 548/526.000;  
549/264.000; 549/332.000  
NCL NCLM: 435/007.400  
NCLS: 435/006.000; 530/330.000; 530/331.000; 530/807.000; 548/526.000;  
549/264.000; 549/332.000  
IC [6]  
ICM: G01N033-573  
ICS: C07D321-00  
EXF 435/7.4; 435/6; 549/332; 549/264; 530/331; 530/807; 530/330; 548/526  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 92 OF 125 USPATFULL on STN  
AN 1998:143904 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert Charles, Ijamsville, MD, United States  
Guterman, Sonia Kosow, Belmont, MA, United States  
Roberts, Bruce Lindsay, Milford, MA, United States  
Markland, William, Milford, MA, United States  
Ley, Arthur Charles, Newton, MA, United States

PA Dyax, Corp., Cambridge, MA, United States (U.S. corporation)  
 PI US 5837500 19981117 <--  
 AI US 1995-415922 19950403 (8)  
 RLI Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, now  
 patented, Pat. No. US 5403484 which is a division of Ser. No. US  
 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409  
 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2  
 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US  
 1988-240160, filed on 2 Sep 1988, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 15973  
 INCL INCLM: 435/069.700  
 INCLS: 435/172.300; 530/350.000; 530/412.000; 536/023.400  
 NCL NCLM: 435/069.700  
 NCLS: 435/091.100; 435/091.200; 435/471.000; 530/350.000; 530/412.000;  
 536/023.400  
 IC [6]  
 ICM: C12N015-62  
 ICS: C07K019-00  
 EXF 435/69.7; 435/172.3; 530/350; 530/412; 536/23.4  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 93 OF 125 USPATFULL on STN  
 AN 1998:91815 USPATFULL  
 TI Yeast cells engineered to produce pheromone system protein surrogates,  
 and uses therefor  
 IN Fowlkes, Dana M., Chapel Hill, NC, United States  
 Broach, Jim, Princeton, NJ, United States  
 Manfredi, John, Ossining, NY, United States  
 Klein, Christine, Ossining, NY, United States  
 Murphy, Andrew J., Montclair, NJ, United States  
 Paul, Jeremy, South Nyack, NY, United States  
 Trueheart, Joshua, South Nyack, NY, United States  
 PA Cadus Pharmaceutical Corporation, Tarrytown, NY, United States (U.S.  
 corporation)  
 PI US 5789184 19980804 <--  
 AI US 1995-464531 19950605 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-322137, filed on 13 Oct 1994  
 which is a continuation-in-part of Ser. No. US 1994-309313, filed on 20  
 Sep 1994, now abandoned which is a continuation-in-part of Ser. No. US  
 1994-190328, filed on 31 Jan 1994, now abandoned which is a  
 continuation-in-part of Ser. No. US 1993-41431, filed on 31 Mar 1993,  
 now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 6731  
 INCL INCLM: 435/007.310  
 INCLS: 435/254.110; 435/254.200; 435/254.210  
 NCL NCLM: 435/007.310  
 NCLS: 435/254.110; 435/254.200; 435/254.210; 435/DIG.007; 435/DIG.027  
 IC [6]  
 ICM: G01N033-53  
 EXF 435/4; 435/7.1; 435/64; 435/252.3; 435/320.1; 435/254.21; 435/254.2;  
 435/254.11  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 94 OF 125 USPATFULL on STN  
 AN 1998:85817 USPATFULL  
 TI Cathepsin and methods and compositions for inhibition thereof  
 IN Tung, Jay S., 2224 Semeria Ave., Belmont, CA, United States 94002  
 Sinha, Sukanto, 808 Junipero Serra Blvd., San Francisco, CA, United  
 States 94127  
 McConlogue, Lisa, 283 Juanita Way, San Francisco, CA, United States  
 94127  
 Tatsuno, Gwen, 5910 Pinewood Rd., Oakland, CA, United States 94611  
 Anderson, John, 21 Bucareli Dr., San Francisco, CA, United States 94132  
 Chrysler, Susanna, 448-1/2 San Bruno Ave., Brisbane, CA, United States  
 94005  
 PI US 5783434 19980721 <--  
 AI US 1995-467607 19950606 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 2314  
 INCL INCLM: 435/219.000

NCL NCLM: 435/219.000  
NCLS: 435/006.000; 435/212.000; 530/350.000; 536/023.100; 536/024.300  
IC [6]  
ICM: C12N009-00  
ICS: C07H021-02; C07H021-04; C12Q001-68  
EXF 530/350; 435/183; 536/23.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 95 OF 125 USPATFULL on STN  
AN 1998:79323 USPATFULL  
TI cDNAs associated with ataxia-telangiectasia  
IN Shiloh, Yosef, Tel Aviv, Israel  
Tagle, Danilo A., Gaithersburg, MD, United States  
Collins, Francis S., Rockville, MD, United States  
PA RAMOT-University Authority for Applied Research & Industrial Development  
Ltd., Tel Aviv, Israel (non-U.S. corporation)  
PI US 5777093 19980707 <--  
AI US 1995-508836 19950728 (8)  
RLI Continuation-in-part of Ser. No. US 1995-493092, filed on 21 Jun 1995  
which is a continuation-in-part of Ser. No. US 1995-441822, filed on 16  
May 1995  
DT Utility  
FS Granted  
LN.CNT 1825  
INCL INCLM: 536/023.500  
INCLS: 536/023.100; 536/023.400; 435/069.100; 435/320.100; 435/325.000;  
435/252.300; 530/350.000  
NCL NCLM: 536/023.500  
NCLS: 435/069.100; 435/252.300; 435/320.100; 435/325.000; 530/350.000;  
536/023.100; 536/023.400  
IC [6]  
ICM: C12N015-00  
EXF 536/23.5; 536/23.1; 536/24.1; 530/350; 514/12; 514/44; 435/320.1;  
435/240.2; 435/252.3; 435/252.33; 435/69.1; 435/325; 424/93.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 96 OF 125 USPATFULL on STN  
AN 1998:57716 USPATFULL  
TI Aptamers specific for biomolecules and methods of making  
IN Griffin, Linda, Atherton, CA, United States  
Albrecht, Glenn, Redwood City, CA, United States  
Latham, John, Palo Alto, CA, United States  
Leung, Lawrence, Hillsborough, CA, United States  
Vermaas, Eric, Oakland, CA, United States  
Toole, John J., Burlingame, CA, United States  
PA Gilead Sciences, Inc., Foster City, CA, United States (U.S. corporation)  
PI US 5756291 19980526 <--  
AI US 1995-484192 19950607 (8)  
RLI Continuation of Ser. No. US 1992-934387, filed on 21 Aug 1992, now  
abandoned  
DT Utility  
FS Granted  
LN.CNT 8242  
INCL INCLM: 435/006.000  
INCLS: 536/023.100; 530/413.000; 935/077.000; 935/078.000  
NCL NCLM: 435/006.000  
NCLS: 530/413.000; 536/023.100  
IC [6]  
ICM: C12Q001-68  
ICS: C07K001-14; C07H021-04; C07H021-02  
EXF 435/6; 935/77; 935/78; 530/413; 536/23.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 97 OF 125 USPATFULL on STN  
AN 1998:51432 USPATFULL  
TI Antibodies to .beta.- \*\*\*amyloids\*\*\* or their derivatives and use  
thereof  
IN Suzuki, Nobuhiro, Ibaraki, Japan  
Odaka, Asano, Ibaraki, Japan  
Kitada, Chieko, Osaka, Japan  
PA Takeda Chemical Industries Ltd., Osaka, Japan (non-U.S. corporation)  
PI US 5750349 19980512 <--  
WO 9417197 19940804  
AI US 1994-302808 19940915 (8)  
WO 1994-JP89 19940124

PRAI JP 1993-10132 19930125  
 JP 1993-19035 19930205  
 JP 1993-286985 19931116  
 JP 1993-334773 19931228  
 DT Utility  
 FS Granted  
 LN.CNT 2609  
 INCL INCLM: 435/007.100  
 INCLS: 435/007.920; 435/007.940; 435/007.950; 435/070.210; 435/326.000;  
 435/331.000; 530/387.900; 530/388.100; 530/389.100  
 NCL NCLM: 435/007.100  
 NCLS: 435/007.920; 435/007.940; 435/007.950; 435/070.210; 435/326.000;  
 435/331.000; 530/387.900; 530/388.100; 530/389.100  
 IC [6]  
 ICM: G01N033-53  
 EXF 435/7.1; 435/7.92; 435/7.94; 435/70.21; 435/240.27; 435/240.26;  
 435/7.95; 435/331; 435/326; 436/811; 530/387.9; 530/388.1; 530/389.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 98 OF 125 USPATFULL on STN  
 AN 1998:48435 USPATFULL  
 TI Benzylidene rhodanines  
 IN Panetta, Jill A., Zionsville, IN, United States  
 Phillips, Michael L., Indianapolis, IN, United States  
 Reel, Jon K., Carmel, IN, United States  
 Shadle, John K., Fishers, IN, United States  
 Sigmund, Sandra K., Indianapolis, IN, United States  
 Simon, Richard L., Greenwood, IN, United States  
 Whitesitt, Celia A., Greenwood, IN, United States  
 PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.  
 corporation)  
 PI US 5747517 19980505 <--  
 AI US 1996-710102 19960911 (8)  
 RLI Division of Ser. No. US 1994-213873, filed on 16 Mar 1994  
 DT Utility  
 FS Granted  
 LN.CNT 2617  
 INCL INCLM: 514/369.000  
 INCLS: 548/183.000  
 NCL NCLM: 514/369.000  
 NCLS: 548/183.000  
 IC [6]  
 ICM: C07D277-34  
 ICS: A61K031-425  
 EXF 548/183; 514/369  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 99 OF 125 USPATFULL on STN  
 AN 1998:48195 USPATFULL  
 TI Method and device for diagnosing and distinguishing chest pain in early  
 onset thereof  
 IN Jackowski, George, Inglewood, Canada  
 PA Spectral Diagnostics Inc., Toronto, Canada (non-U.S. corporation)  
 PI US 5747274 19980505 <--  
 AI US 1996-697690 19960905 (8)  
 RLI Continuation of Ser. No. US 1995-420298, filed on 11 Apr 1995, now  
 patented, Pat. No. US 5604105 which is a continuation-in-part of Ser.  
 No. US 1993-26453, filed on 3 Mar 1993, now abandoned which is a  
 continuation-in-part of Ser. No. US 1991-695381, filed on 3 May 1991,  
 now patented, Pat. No. US 5290678, issued on 1 Mar 1994  
 PRAI CA 1990-2027434 19901012  
 DT Utility  
 FS Granted  
 LN.CNT 2438  
 INCL INCLM: 435/007.940  
 INCLS: 422/056.000; 422/058.000; 422/060.000; 422/061.000; 435/007.930;  
 435/007.940; 435/970.000; 435/973.000; 435/975.000; 436/514.000;  
 436/528.000; 436/530.000; 436/531.000; 436/161.000; 436/164.000;  
 436/807.000; 436/808.000; 436/810.000; 436/811.000  
 NCL NCLM: 435/007.940  
 NCLS: 422/056.000; 422/058.000; 422/060.000; 422/061.000; 435/007.930;  
 435/970.000; 435/973.000; 435/975.000; 436/161.000; 436/164.000;  
 436/514.000; 436/528.000; 436/530.000; 436/531.000; 436/807.000;  
 436/808.000; 436/810.000; 436/811.000



ICM: G01N033-573  
 ICS: G01N033-558  
 EXF 422/55; 422/56; 422/58; 422/60; 422/61; 435/7.9; 435/7.92; 435/7.93;  
 435/7.94; 435/7.4; 435/969; 435/970; 435/973; 435/975; 436/514; 436/528;  
 436/530; 436/531; 436/161; 436/164; 436/807; 436/808; 436/810; 436/811  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 100 OF 125 USPATFULL on STN  
 AN 1998:45097 USPATFULL  
 TI Method and device for diagnosing and distinguishing chest pain in early  
 onset thereof  
 IN Jackowski, George, Inglewood, Canada  
 PA Spectral Diagnostics Inc., Toronto, Canada (non-U.S. corporation)  
 PI US 5744358 19980428 <--  
 AI US 1996-707594 19960905 (8)  
 RLI Continuation of Ser. No. US 1995-420298, filed on 11 Apr 1995, now  
 patented, Pat. No. US 5604105 which is a continuation-in-part of Ser.  
 No. US 1993-26453, filed on 3 Mar 1993, now abandoned which is a  
 continuation-in-part of Ser. No. US 1991-695381, filed on 3 May 1991,  
 now patented, Pat. No. US 5290678, issued on 1 Mar 1994  
 PRAI CA 1990-2027434 19901012  
 DT Utility  
 FS Granted  
 LN.CNT 2396  
 INCL INCLM: 435/007.400  
 INCLS: 422/056.000; 422/058.000; 422/060.000; 422/061.000; 435/007.940;  
 435/970.000; 435/973.000; 435/975.000; 436/514.000; 436/528.000;  
 436/530.000; 436/531.000; 436/161.000; 436/164.000; 436/807.000;  
 436/808.000; 436/810.000; 436/811.000  
 NCL NCLM: 435/007.400  
 NCLS: 422/056.000; 422/058.000; 422/060.000; 422/061.000; 435/007.940;  
 435/970.000; 435/973.000; 435/975.000; 436/161.000; 436/164.000;  
 436/514.000; 436/528.000; 436/530.000; 436/531.000; 436/807.000;  
 436/808.000; 436/810.000; 436/811.000  
 IC [6]  
 ICM: G01N033-573  
 ICS: G01N033-558  
 EXF 422/55; 422/56; 422/58; 422/60; 422/61; 435/7.9; 435/7.92; 435/7.94;  
 435/7.4; 435/969; 435/970; 435/973; 435/975; 436/514; 436/528; 436/530;  
 436/531; 436/161; 436/164; 436/807; 436/808; 436/810; 436/811  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 101 OF 125 USPATFULL on STN  
 AN 1998:44877 USPATFULL  
 TI Sequence-directed DNA-binding molecules compositions and methods  
 IN Edwards, Cynthia A., Menlo Park, CA, United States  
 Fry, Kirk E., Palo Alto, CA, United States  
 Cantor, Charles R., Boston, MA, United States  
 Andrews, Beth M., Maynard, MA, United States  
 PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.  
 corporation)  
 PI US 5744131 19980428 <--  
 AI US 1995-476876 19950607 (8)  
 RLI Division of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a  
 continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,  
 now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 5113  
 INCL INCLM: 424/078.080  
 INCLS: 436/501.000; 514/001.000  
 NCL NCLM: 424/078.080  
 NCLS: 436/501.000; 514/001.000  
 IC [6]  
 ICM: A61K031-74  
 ICS: G01N033-566; G01N033-558  
 EXF 536/23.1; 536/27.1; 546/109; 436/501; 514/1; 424/78.08  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 102 OF 125 USPATFULL on STN  
 AN 1998:39383 USPATFULL  
 TI Sequence-directed DNA-binding molecules compositions and methods  
 IN Edwards, Cynthia A., Menlo Park, CA, United States  
 Fry, Kirk E., Palo Alto, CA, United States  
 Cantor, Charles R., Boston, MA, United States

PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)  
 PI US 5738990 19980414 <--  
 AI US 1995-475221 19950607 (8)  
 RLI Division of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 5040  
 INCL INCLM: 435/006.000  
 INCLS: 435/691.000; 435/172.300; 435/320.100; 536/024.100; 935/036.000; 935/039.000  
 NCL NCLM: 435/006.000  
 NCLS: 435/069.100; 435/320.100; 536/024.100  
 IC [6]  
 ICM: C12P021-02  
 ICS: C12N015-67; C07H021-04  
 EXF 435/172.1; 435/69.1; 435/6; 435/320.1; 435/172.3; 536/24.1; 935/36; 935/39  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 103 OF 125 USPATFULL on STN  
 AN 1998:28186 USPATFULL  
 TI Mutated proteins associated with ataxia-telangiectasia  
 IN Shiloh, Yosef, Tel Aviv, Israel  
 Tagle, Danilo A., Gaithersburg, MD, United States  
 Collins, Francis S., Rockville, MD, United States  
 PA Ramot-University Authority For Applied Research and Industrial Development, Ltd., Tel Aviv, Israel (non-U.S. corporation)  
 PI US 5728807 19980317 <--  
 AI US 1995-493092 19950621 (8)  
 RLI Continuation-in-part of Ser. No. US 1995-441822, filed on 16 May 1995  
 DT Utility  
 FS Granted  
 LN.CNT 1637  
 INCL INCLM: 530/350.000  
 INCLS: 530/324.000; 530/326.000; 536/023.100; 536/023.500; 536/023.200  
 NCL NCLM: 530/350.000  
 NCLS: 530/324.000; 530/326.000; 536/023.100; 536/023.200; 536/023.500  
 IC [6]  
 ICM: C07K014-00  
 ICS: C07K014-435  
 EXF 530/350; 530/324; 530/326; 536/23.1; 536/23.5  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 104 OF 125 USPATFULL on STN  
 AN 1998:25075 USPATFULL  
 TI Screening assay for the detection of DNA-binding molecules  
 IN Edwards, Cynthia A., Menlo Park, CA, United States  
 Cantor, Charles R., Boston, MA, United States  
 Andrews, Beth M., Watertown, MA, United States  
 Turin, Lisa M., Berkeley, CA, United States  
 PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)  
 PI US 5726014 19980310 <--  
 AI US 1993-123936 19930917 (8)  
 RLI Continuation-in-part of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 5659  
 INCL INCLM: 435/006.000  
 INCLS: 435/091.200; 436/501.000  
 NCL NCLM: 435/006.000  
 NCLS: 435/091.200; 436/501.000  
 IC [6]  
 ICM: C12Q001-68  
 ICS: C12P019-34; G01N033-566  
 EXF 435/6; 435/235; 435/91.1; 435/91.2; 435/91.5; 536/23.1; 536/23.2; 436/501  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 105 OF 125 USPATFULL on STN

TI Non-crosslinked protein particles for therapeutic and diagnostic use  
 IN Yen, Richard C. K., Yorba Linda, CA, United States  
 PA Hemosphere, Inc., Irvine, CA, United States (U.S. corporation)  
 PI US 5725804 19980310 <--  
 AI US 1995-471650 19950606 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-212546, filed on 14 Mar 1994,  
 now patented, Pat. No. US 5616311 which is a continuation-in-part of  
 Ser. No. US 1993-69831, filed on 1 Jun 1993, now abandoned And Ser. No.  
 US 1992-959560, filed on 13 Oct 1992, now patented, Pat. No. US 5308620  
 which is a continuation-in-part of Ser. No. US 1991-641720, filed on 15  
 Jan 1991, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 2178  
 INCL INCLM: 252/314.000  
 INCLS: 252/311.000; 424/484.000; 424/491.000; 514/776.000; 514/937.000;  
 514/965.000  
 NCL NCLM: 516/077.000  
 NCLS: 424/484.000; 424/491.000; 514/776.000; 514/937.000; 514/965.000;  
 516/917.000; 516/922.000  
 IC [6]  
 ICM: A61K009-64  
 ICS: A61K047-42; B01J013-00  
 EXF 264/4.3; 427/213.3; 427/213.33; 427/2.14; 427/2.21; 514/965; 514/937;  
 514/776; 252/311; 252/314; 424/491  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 106 OF 125 USPATFULL on STN  
 AN 1998:14822 USPATFULL  
 TI Compounds useful as hypoglycemic agents and for treating Alzheimer's  
 disease  
 IN Bue-Valleskey, Juliana M., Indianapolis, IN, United States  
 Hunden, David C., Carmel, IN, United States  
 Jones, Charles D., Indianapolis, IN, United States  
 Panetta, Jill A., Zionsville, IN, United States  
 Shaw, Walter N., Indianapolis, IN, United States  
 PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.  
 corporation)  
 PI US 5716975 19980210 <--  
 AI US 1995-470822 19950606 (8)  
 RLI Division of Ser. No. US 1994-213651, filed on 16 Mar 1994, now patented,  
 Pat. No. US 5523314 which is a continuation-in-part of Ser. No. US  
 1992-943353, filed on 10 Sep 1992, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1941  
 INCL INCLM: 514/369.000  
 INCLS: 548/183.000  
 NCL NCLM: 514/369.000  
 NCLS: 548/183.000  
 IC [6]  
 ICM: C07D277-31  
 ICS: A61K031-125  
 EXF 548/183; 514/369  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 107 OF 125 USPATFULL on STN  
 AN 1998:14634 USPATFULL  
 TI Method of constructing sequence-specific DNA-binding molecules  
 IN Edwards, Cynthia A., Menlo Park, CA, United States  
 Fry, Kirk E., Palo Alto, CA, United States  
 Cantor, Charles R., Boston, MA, United States  
 Andrews, Beth M., Watertown, MA, United States  
 PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.  
 corporation)  
 PI US 5716780 19980210 <--  
 AI US 1995-484499 19950607 (8)  
 RLI Division of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a  
 continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,  
 now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 4929  
 INCL INCLM: 435/006.000  
 INCLS: 436/501.000

NCLS: 436/501.000  
 IC [6]  
 ICM: C12Q001-68  
 ICS: G01N033-566  
 EXF 435/6; 536/24.5; 935/33; 935/34; 935/36; 436/501  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 108 OF 125 USPATFULL on STN  
 AN 1998:6930 USPATFULL  
 TI Method and device for diagnosing and distinguishing chest pain in early onset thereof  
 IN Jackowski, George, Inglewood, Canada  
 PA Spectral Diagnostics Inc., Toronto, Canada (non-U.S. corporation)  
 PI US 5710008 19980120 <--  
 AI US 1996-735178 19961022 (8)  
 RLI Continuation-in-part of Ser. No. US 1995-420298, filed on 11 Apr 1995, now patented, Pat. No. US 5604105 which is a continuation-in-part of Ser. No. US 1993-26453, filed on 3 Mar 1993, now abandoned which is a continuation-in-part of Ser. No. US 1991-695381, filed on 3 May 1991, now patented, Pat. No. US 5290678, issued on 1 Mar 1994  
 PRAI CA 1990-2027434 19901012  
 DT Utility  
 FS Granted  
 LN.CNT 2559  
 INCL INCLM: 435/007.400  
 INCLS: 422/056.000; 422/058.000; 435/007.940; 435/970.000; 435/973.000; 435/975.000; 436/514.000; 436/528.000; 436/530.000; 436/807.000; 436/808.000; 436/810.000  
 NCL INCLM: 435/007.400  
 NCLS: 422/056.000; 422/058.000; 435/007.940; 435/970.000; 435/973.000; 435/975.000; 436/514.000; 436/528.000; 436/530.000; 436/807.000; 436/808.000; 436/810.000  
 IC [6]  
 ICM: G01N033-573  
 EXF 435/7.4; 435/7.94; 435/13; 435/969; 435/970; 435/973; 435/975; 435/7.9; 435/7.92; 436/514; 436/528; 436/530; 436/541; 436/807; 436/808; 436/810; 436/811; 422/55; 422/56; 422/58; 422/60; 422/61  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 109 OF 125 USPATFULL on STN  
 AN 97:112300 USPATFULL  
 TI Method of ordering sequence binding preferences of a DNA-binding molecule  
 IN Edwards, Cynthia A., Menlo Park, CA, United States  
 Fry, Kirk E., Palo Alto, CA, United States  
 Cantor, Charles R., Boston, MA, United States  
 Andrews, Beth M., Maynard, MA, United States4)  
 PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)  
 PI US 5693463 19971202 <--  
 AI US 1992-996783 19921223 (7)  
 RLI Continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 4908  
 INCL INCLM: 435/006.000  
 INCLS: 435/007.230; 536/023.100; 935/076.000; 935/077.000  
 NCL INCLM: 435/006.000  
 NCLS: 435/007.230; 536/023.100  
 IC [6]  
 ICM: C12Q001-68  
 ICS: G01N033-574; C07H021-02; C12N015-00  
 EXF 435/6; 435/235; 536/23.1; 536/23.2; 514/44; 530/350; 530/351  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 110 OF 125 USPATFULL on STN  
 AN 97:106940 USPATFULL  
 TI Prevention of protein aggregation  
 IN Solomon, Beka, Herzlya, Israel  
 PA RAMOT University Authority For Applied Research and Development Ltd., Tel Aviv, Israel (non-U.S. corporation)  
 PI US 5688651 19971118 <--  
 AI US 1994-358786 19941216 (8)  
 DT Utility

LN.CNT 1212  
INCL INCLM: 435/007.100  
INCLS: 424/130.100; 436/063.000; 530/388.100  
NCL NCLM: 435/007.100  
NCLS: 424/130.100; 436/063.000; 530/388.100  
IC [6]  
ICM: G01N033-53  
ICS: G01N033-48; A61K039-395; C07K016-00  
EXF 424/130.1; 424/135.1; 424/141.1; 435/7.1; 436/63; 514/44; 530/387.1;  
530/388.1; 530/388.2; 530/389.1; 530/390.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 111 OF 125 USPATFULL on STN  
AN 97:61794 USPATFULL  
TI Cloning and expression of neurocan, a chondroitin sulfate proteoglycan  
IN Margolis, Richard U., New York, NY, United States  
Rauch, Uwe, New York, NY, United States  
Margolis, Renee K., New York, NY, United States  
PA New York University, New York, NY, United States (U.S. corporation)  
The Research Foundation of State University of New York, Albany, NY,  
United States (U.S. corporation) a part interest  
PI US 5648465 19970715 <--  
AI US 1994-340428 19941114 (8)  
RLI Continuation of Ser. No. US 1992-922911, filed on 3 Aug 1992, now  
abandoned  
DT Utility  
FS Granted  
LN.CNT 2928  
INCL INCLM: 530/350.000  
INCLS: 530/395.000; 435/069.100  
NCL NCLM: 530/350.000  
NCLS: 435/069.100; 530/395.000  
IC [6]  
ICM: C07K014-47  
ICS: C12N015-12  
EXF 530/350; 530/395; 514/8; 435/69.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 112 OF 125 USPATFULL on STN  
AN 97:26904 USPATFULL  
TI Non-crosslinked protein particles for therapeutic and diagnostic use  
IN Yen, Richard C. K., Glendora, CA, United States  
PA Hemisphere, Inc., Irvine, CA, United States (U.S. corporation)  
PI US 5616311 19970401 <--  
AI US 1994-212546 19940314 (8)  
RLI Continuation-in-part of Ser. No. US 1993-69831, filed on 1 Jun 1993, now  
abandoned And Ser. No. US 1992-959560, filed on 13 Oct 1992, now  
patented, Pat. No. US 5308620 which is a continuation-in-part of Ser.  
No. US 1991-641720, filed on 15 Jan 1991, now abandoned  
DT Utility  
FS Granted  
LN.CNT 2585  
INCL INCLM: 424/001.330  
INCLS: 424/001.290; 424/001.370; 424/484.000; 424/499.000; 424/002.140;  
424/002.210; 424/213.300; 424/213.330; 428/402.200; 428/402.240;  
435/177.000; 935/054.000  
NCL NCLM: 424/001.330  
NCLS: 424/001.290; 424/001.370; 424/484.000; 424/499.000; 427/002.140;  
427/002.210; 427/213.300; 427/213.330; 428/402.200; 428/402.240;  
435/177.000  
IC [6]  
ICM: A61K051-08  
ICS: A61K009-50; B01J013-08; C12N011-02  
EXF 264/4.3; 427/213.33; 427/2; 427/2.14; 427/2.21; 427/3; 427/213.3;  
428/402.2; 428/402.24; 424/1.29; 424/1.33; 424/1.37; 424/484; 424/499;  
514/832; 514/965; 935/54; 435/177  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 113 OF 125 USPATFULL on STN  
AN 97:14582 USPATFULL  
TI Method and device for diagnosing and distinguishing chest pain in early  
onset thereof  
IN Jackowski, George, Inglewood, Canada  
PA Spectral Diagnostics Inc., Toronto, Canada (non-U.S. corporation)  
PI US 5604105 19970218 <--

RLI Continuation-in-part of Ser. No. US 1993-26453, filed on 3 Mar 1993, now abandoned which is a continuation-in-part of Ser. No. US 1991-695381, filed on 3 May 1991, now patented, Pat. No. US 5290678, issued on 1 Mar 1994

PRAI CA 1990-2027434 19901012  
DT Utility  
FS Granted  
LN.CNT 2462  
INCL INCLM: 435/007.400  
INCLS: 422/056.000; 422/058.000; 435/007.940; 435/970.000; 435/973.000; 435/975.000; 436/514.000; 436/528.000; 436/530.000; 436/807.000; 436/808.000; 436/810.000

NCL NCLM: 435/007.400  
NCLS: 422/056.000; 422/058.000; 435/007.940; 435/970.000; 435/973.000; 435/975.000; 436/514.000; 436/528.000; 436/530.000; 436/807.000; 436/808.000; 436/810.000

IC [6]  
ICM: G01N033-573  
ICS: G01N033-558

EXF 435/7.4; 435/7.9; 435/7.92; 435/7.94; 435/13; 435/969; 435/970; 435/973; 435/975; 436/528; 436/530; 436/541; 436/808; 436/810; 436/811; 422/55; 422/56; 422/58; 422/60; 422/61

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 114 OF 125 USPATFULL on STN  
AN 97:1322 USPATFULL  
TI Dioxetane compounds for the chemiluminescent detection of proteases, methods of use and kits therefore  
IN Bronstein, Irena, Newton, MA, United States  
Edwards, Brooks, Cambridge, MA, United States  
Martin, Christopher, Belmont, MA, United States  
Sparks, Alison, North Andover, MA, United States  
Voyta, John C., Sudbury, MA, United States  
PA Tropix, Inc., New Bedford, MA, United States (U.S. corporation)  
PI US 5591591 19970107 <--  
AI US 1995-385788 19950209 (8)  
DT Utility  
FS Granted  
LN.CNT 747  
INCL INCLM: 435/007.400  
INCLS: 435/006.000; 530/330.000; 530/331.000; 530/807.000; 548/526.000; 549/264.000; 549/332.000

NCL NCLM: 435/007.400  
NCLS: 435/006.000; 530/330.000; 530/331.000; 530/807.000; 548/526.000; 549/264.000; 549/332.000

IC [6]  
ICM: G01N033-573  
ICS: C07K005-06; C07K005-08; C07K005-10

EXF 530/330; 530/331; 530/807; 435/6; 435/7.4; 548/526; 549/264; 549/332

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 115 OF 125 USPATFULL on STN  
AN 96:108816 USPATFULL  
TI Sequence-directed DNA-binding molecules compositions and methods  
IN Edwards, Cynthia A., Menlo Park, CA, United States  
Cantor, Charles R., Boston, MA, United States  
Andrews, Beth M., Maynard, MA, United States  
Turin, Lisa M., Redwood City, CA, United States  
Fry, Kirk E., Palo Alto, CA, United States  
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)  
PI US 5578444 19961126 <--  
AI US 1993-171389 19931220 (8)  
RLI Continuation-in-part of Ser. No. US 1993-123936, filed on 17 Sep 1993 which is a continuation-in-part of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned  
DT Utility  
FS Granted  
LN.CNT 5845  
INCL INCLM: 435/006.000  
INCLS: 435/007.230; 536/023.100; 935/076.000; 935/077.000

NCL NCLM: 435/006.000  
NCLS: 435/007.230; 536/023.100

IC [6]

ICS: C12N015-00; G01N033-574; C07H021-02  
EXF 435/6; 536/23.1; 536/23.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 116 OF 125 USPATFULL on STN  
AN 96:101466 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert C., Ijamsville, MD, United States  
Guterman, Sonia K., Belmont, MA, United States  
Roberts, Bruce L., Milford, MA, United States  
Markland, William, Milford, MA, United States  
Ley, Arthur C., Newton, MA, United States  
Kent, Rachel B., Boxborough, MA, United States  
PA Protein Engineering Corporation, Cambridge, MA, United States (U.S.  
corporation)  
PI US 5571698 19961105 <--  
AI US 1993-57667 19930618 (8)  
RLI Continuation of Ser. No. US 1991-664989, filed on 1 Mar 1991, now  
patented, Pat. No. US 5223409 which is a continuation-in-part of Ser.  
No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a  
continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 15323  
INCL INCLM: 435/069.700  
INCLS: 435/006.000; 435/064.100; 435/172.300; 435/252.300; 435/320.100  
NCL NCLM: 435/069.700  
NCLS: 435/006.000; 435/069.100; 435/252.300; 435/320.100; 435/477.000  
IC [6]  
ICM: C12N025-62  
EXF 435/6; 435/64.1; 435/64.7; 435/172.3; 435/252.3; 435/320.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 117 OF 125 USPATFULL on STN  
AN 96:92039 USPATFULL  
TI Peptide linkage unit  
IN Janda, Kim D., San Diego, CA, United States  
Wirsching, Peter, Solana Beach, CA, United States  
Ikeda, Shoji, San Diego, CA, United States  
PA The Scripps Research Institute, La Jolla, CA, United States (U.S.  
corporation)  
PI US 5563121 19961008 <--  
WO 9300228 19930111 <--  
AI US 1994-256236 19940630 (8)  
WO 1993-US228 19930111  
19940630 PCT 371 date  
19940630 PCT 102(e) date  
DT Utility  
FS Granted  
LN.CNT 1691  
INCL INCLM: 514/007.000  
INCLS: 530/323.000; 530/326.000; 530/327.000; 530/328.000; 530/329.000;  
530/330.000; 562/017.000; 562/018.000; 930/030.000  
NCL NCLM: 514/007.000  
NCLS: 530/323.000; 530/326.000; 530/327.000; 530/328.000; 530/329.000;  
530/330.000; 562/017.000; 562/018.000; 930/030.000  
IC [6]  
ICM: A61K038-03  
ICS: C07K004-00; C07K005-02; C07K007-02  
EXF 514/2; 514/14; 514/15; 514/16; 514/17; 514/18; 514/7; 930/21; 930/30;  
530/323; 530/326; 530/327; 530/328; 530/329; 530/330; 530/331; 530/332;  
562/17; 562/18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 118 OF 125 USPATFULL on STN  
AN 96:48400 USPATFULL  
TI Compounds useful as hypoglycemic agents and for treating Alzheimer's  
disease  
IN Bue-Valleskey, Juliana M., Indianapolis, IN, United States  
Hunden, David C., Carmel, IN, United States  
Jones, Charles D., Indianapolis, IN, United States  
Panetta, Jill A., Zionsville, IN, United States  
Shaw, Walter N., Indianapolis, IN, United States  
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.

PI US 5523314 19960604 <--  
AI US 1994-213651 19940316 (8)  
RLI Continuation-in-part of Ser. No. US 1992-943353, filed on 10 Sep 1992,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 2068  
INCL INCLM: 514/369.000  
INCLS: 548/183.000  
NCL NCLM: 514/369.000  
NCLS: 548/183.000  
IC [6]  
ICM: A61K031-425  
EXF 514/369  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 119 OF 125 USPATFULL on STN  
AN 96:38884 USPATFULL  
TI Immunological activity of rhamnolipids  
IN Piljac, Goran, 2323 Shasta Dr., Apt 40, Davis, CA, United States 95616  
Piljac, Visnja, 2323 Shasta Dr., Apt 40, Davis, CA, United States 95616  
PI US 5514661 19960507 <--  
AI US 1995-520076 19950828 (8)  
RLI Division of Ser. No. US 1994-277975, filed on 20 Feb 1994, now patented,  
Pat. No. US 5466675 which is a continuation-in-part of Ser. No. US  
1992-866691, filed on 10 Apr 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1424  
INCL INCLM: 514/025.000  
INCLS: 514/814.000; 514/861.000; 514/863.000; 514/864.000; 514/878.000;  
514/883.000; 514/885.000; 514/886.000; 514/887.000; 514/889.000;  
514/903.000; 514/908.000  
NCL NCLM: 514/025.000  
NCLS: 514/814.000; 514/861.000; 514/863.000; 514/864.000; 514/878.000;  
514/883.000; 514/885.000; 514/886.000; 514/887.000; 514/889.000;  
514/903.000; 514/908.000  
IC [6]  
ICM: A61K031-715  
EXF 514/25; 514/814; 514/861; 514/863; 514/864; 514/878; 514/883; 514/885;  
514/886; 514/887; 514/889; 514/903; 514/908  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 120 OF 125 USPATFULL on STN  
AN 96:27100 USPATFULL  
TI Production of peptide amides  
IN Bibbs, Jeffrey A., San Diego, CA, United States  
Lehman De Gaeta, Laura S., Olivenhain, CA, United States  
Jones, Howard, Poway, CA, United States  
PA Amylin Pharmaceuticals, Inc., San Diego, CA, United States (U.S.  
corporation)  
PI US 5503989 19960402 <--  
AI US 1992-927755 19920810 (7)  
RLI Continuation-in-part of Ser. No. US 1991-742768, filed on 8 Aug 1991,  
now abandoned And a continuation-in-part of Ser. No. US 1991-742769,  
filed on 8 Aug 1991, now abandoned  
DT Utility  
FS Granted  
LN.CNT 712  
INCL INCLM: 435/068.100  
INCLS: 530/307.000; 530/309.000; 530/313.000; 530/317.000; 530/324.000;  
530/345.000  
NCL NCLM: 435/068.100  
NCLS: 530/307.000; 530/309.000; 530/313.000; 530/317.000; 530/324.000;  
530/345.000  
IC [6]  
ICM: C12P021-06  
ICS: C07K005-00; C07K007-00; C07K017-00  
EXF 530/324; 530/345; 530/307; 530/317; 530/313; 530/309; 435/68.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 121 OF 125 USPATFULL on STN  
AN 95:101209 USPATFULL  
TI Immunological activity of rhamnolipids  
IN Piljac, Goran, 2323 Shasta Dr., Apt. 40, Davis, CA, United States 95616



95616  
 PI US 5466675 19951114 <--  
 AI US 1994-277975 19940720 (8)  
 RLI Continuation-in-part of Ser. No. US 1992-866691, filed on 10 Apr 1992,  
 now abandoned  
 PRAI BE 1992-115 19920204  
 DT Utility  
 FS Granted  
 LN.CNT 1443  
 INCL INCLM: 514/025.000  
 INCLS: 514/814.000; 514/861.000; 514/863.000; 514/864.000; 514/878.000;  
 514/883.000; 514/885.000; 514/886.000; 514/887.000; 514/889.000;  
 514/903.000; 514/908.000  
 NCL NCLM: 514/025.000  
 NCLS: 514/814.000; 514/861.000; 514/863.000; 514/864.000; 514/878.000;  
 514/883.000; 514/885.000; 514/886.000; 514/887.000; 514/889.000;  
 514/903.000; 514/908.000  
 IC [6]  
 ICM: A61K031-715  
 EXF 514/25; 514/861; 514/863; 514/864; 514/878; 514/883; 514/885; 514/886;  
 514/887; 514/889; 514/903; 514/908; 514/814  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 122 OF 125 USPATFULL on STN  
 AN 95:52252 USPATFULL  
 TI Amyloidin protease and uses thereof  
 IN Dovey, Harry F., Pacifica, CA, United States  
 Seubert, Peter A., San Mateo, CA, United States  
 Sinha, Sukanto, San Francisco, CA, United States  
 PA Athena Neurosciences, Inc., So. San Francisco, CA, United States (U.S.  
 corporation)  
 Eli Lilly and Company, Indianapolis, IN, United States (U.S.  
 corporation)  
 PI US 5424205 19950613 <--  
 AI US 1993-59032 19930507 (8)  
 RLI Division of Ser. No. US 1991-766351, filed on 30 Sep 1991, now patented,  
 Pat. No. US 5292652 which is a continuation-in-part of Ser. No. US  
 1990-594122, filed on 5 Oct 1990, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1528  
 INCL INCLM: 435/226.000  
 INCLS: 435/219.000  
 NCL NCLM: 435/226.000  
 NCLS: 435/219.000  
 IC [6]  
 ICM: C12N009-64  
 EXF 435/226; 435/219  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L11 ANSWER 123 OF 125 USPATFULL on STN  
 AN 94:102315 USPATFULL  
 TI Amylin peptides  
 IN Cooper, Garth J. S., Solana Beach, CA, United States  
 Willis, Antony C., Witney, England  
 PA Amylin Pharmaceuticals, Inc., San Diego, CA, United States (U.S.  
 corporation)  
 PI US 5367052 19941122 <--  
 AI US 1989-346624 19890501 (7)  
 RLI Continuation-in-part of Ser. No. US 1988-275319, filed on 23 Nov 1988,  
 now abandoned And a continuation-in-part of Ser. No. US 1988-236985,  
 filed on 26 Aug 1988, now abandoned, said Ser. No. US -275319 which  
 is a continuation-in-part of Ser. No. US 1988-186520, filed on 27 Apr  
 1988, now abandoned  
 PRAI GB 1987-9871 19870427  
 GB 1987-20115 19870826  
 DT Utility  
 FS Granted  
 LN.CNT 777  
 INCL INCLM: 530/307.000  
 INCLS: 530/324.000; 530/387.900  
 NCL NCLM: 530/307.000  
 NCLS: 530/324.000; 530/387.900  
 IC [5]  
 ICM: A61K037-02

EXF 424/85.8; 530/307; 530/324; 514/12  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 124 OF 125 USPATFULL on STN  
AN 94:20087 USPATFULL  
TI Amyloidin protease and uses thereof  
IN Dovey, Harry F., Pacifica, CA, United States  
Seubert, Peter A., San Mateo, CA, United States  
Sinha, Sukanto, San Francisco, CA, United States  
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
Eli Lilly and Company, Indianapolis, IN, United States (U.S.  
corporation)  
PI US 5292652 19940308 <--  
AI US 1991-766351 19910930 (7)  
RLI Continuation-in-part of Ser. No. US 1990-594122, filed on 5 Oct 1990,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 1462  
INCL INCLM: 435/226.000  
INCLS: 435/219.000  
NCL NCLM: 435/226.000  
NCLS: 435/219.000  
IC [5]  
ICM: C12N009-64  
EXF 435/219; 435/226; 435/23  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 125 OF 125 USPATFULL on STN  
AN 93:52487 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert C., Ijamsville, MD, United States  
Guterman, Sonia K., Belmont, MA, United States  
Roberts, Bruce L., Milford, MA, United States  
Markland, William, Milford, MA, United States  
Ley, Arthur C., Newton, MA, United States  
Kent, Rachel B., Boxborough, MA, United States  
PA Protein Engineering Corp., Cambridge, MA, United States (U.S.  
corporation)  
PI US 5223409 19930629 <--  
AI US 1991-664989 19910301 (7)  
RLI Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,  
now abandoned And a continuation-in-part of Ser. No. US 1988-240160,  
filed on 2 Sep 1988, now abandoned  
DT Utility  
FS Granted  
LN.CNT 15410  
INCL INCLM: 435/069.700  
INCLS: 435/069.100; 435/172.300; 435/252.300; 435/320.100; 530/380.300;  
530/387.500  
NCL NCLM: 435/069.700  
NCLS: 435/005.000; 435/069.100; 435/252.300; 435/320.100; 435/472.000;  
530/387.300; 530/387.500  
IC [5]  
ICM: C12N015-09  
ICS: C12N015-62; C12N015-63  
EXF 435/69.1; 435/172.3; 435/252.3; 435/320.1; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
STN INTERNATIONAL LOGOFF AT 16:05:07 ON 26 JAN 2005